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The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2.

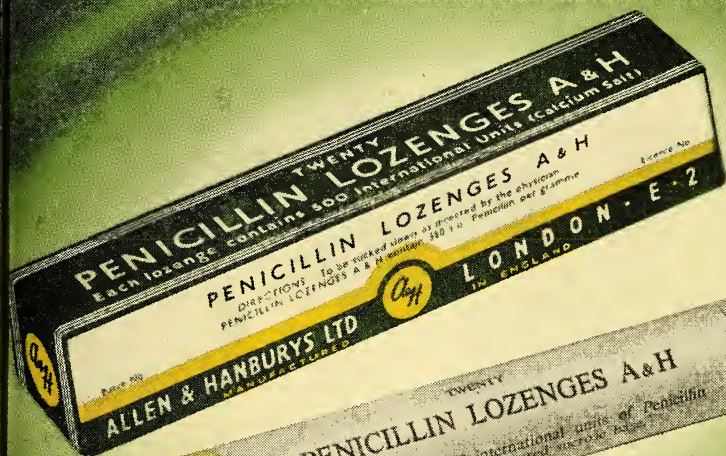
Registered as a Newspaper

3482
XLVI

NOVEMBER 2, 1946

Annual Subscription (with
Diary) 25/- Single copies 9d.

PENICILLIN LOZENGES A&H



IN TUBES OF 20

The Ideal Pack

ALLEN & HANBURY LTD · LONDON · W.1
PHONE: BISHOPSGATE 3201 (12 LINES). WIRES: GREENBURYS, BETH, LONDON

• COSYLAN



The Original Syrup Cocillana Compound

'Cosylan' (Syrup Cocillana Compound P. D. & Co.) is once again available in its pre-war formula and supplies are satisfactory.

Physicians are being advised through the medical press of this fact and that their prescriptions for this product can once more be dispensed.

This will undoubtedly increase the demand for 'Cosylan' during the coming months.

PACKAGES

'Cosylan' is supplied in bottles of 4 and 16 fluid ozs.

*Are your stocks sufficient
to meet this demand?*

PARKE, DAVIS & COMPANY
50 BEAK STREET - LONDON - W.1

Laboratories: Hounslow, Middlesex

Inc. U.S.A., Liability Ltd

how 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

Elasto

REGISTERED

A PRODUCT OF BIO-CHEMICAL RESEARCH

Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

Varicose Veins

"As a sufferer of varicose veins, I must state that before using 'Elasto' I was tortured with tired and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. To all sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon."

—R. P.

mediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since."

AT 1108

—F. T.

Varicose Ulcers

"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AM 1263

—E. H.

Rheumatism

"I may say that I have found 'Elasto' a wonderful help. For years I suffered with rheumatism in feet and legs, and at times found it difficult to keep about. 'Elasto,' however afforded me im-

THESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar experiences with this fine remedy.

Recommend 'Elasto'—and a satisfied customer will recommend You!



1/6 Profit
on every sale

Retail Price 5/- per pkt.
• Including purchase tax.

Wholesale 42/- per doz.
• Including purchase tax.

A FEW SHOWCARDS STILL AVAILABLE

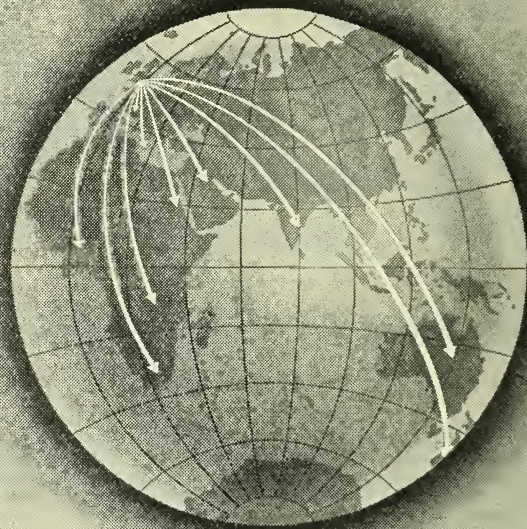
P.A.T.A.

The NEW ERA TREATMENT CO., LTD.

DEPT. R

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

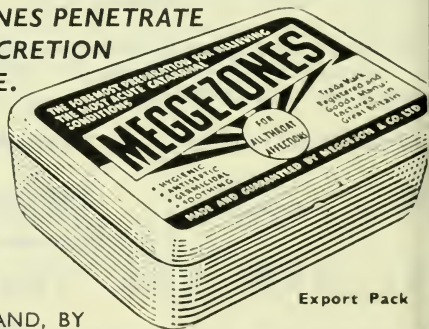
Meggezones
are penetrating



PROGRESSIVE PENETRATION OF WORLD MARKETS

IN THE SAME WAY MEGGEZONES PENETRATE
AND DISPERSE CATARRHAL SECRETION
IN THE NASAL MEMBRANE.

THIS YEAR of 1946 is a milestone in the history of the House of Meggeson which was founded in the City of London in 1796. BEHIND ALL MEGGESON preparations there are 150 years of accumulated manufacturing experience and a reputation for pharmaceutical products of quality at competitive prices, which is jealously maintained. MEGGEZONES worthily uphold this tradition. Not only in Great Britain, but throughout the world, they have earned an unchallenged reputation for the relief of stubborn coughs, the common cold and catarrhal conditions.



Export Pack

MANUFACTURED IN LONDON, ENGLAND, BY
MEGGESON & CO. LTD., LLEWELLYN GROVE S.E.16 • Estab. 1796



Crookes Unique Window Display

The central feature of our new window display is this very striking, gaily coloured, market scene.

The caption reads "Learn your Vitamins A, B, C and D" and the card illustrates the foodstuffs in which these vitamins are found. So much information is given that we are incorporating in the

display a small card inviting your customers to apply to us for a full colour reproduction (this will be sent free) for them to study at home.

The set display will be installed upon request but please specify the space to be dressed for two sizes of card are available.

Please note that owing to supply difficulties the market scene can only be supplied at the moment with the set window show: it cannot be sent singly as a showcard.



THE NEW DISPLAY PACK containing $1\frac{1}{2}$ dozen 9d. drums of Pestroy is now available.

Pestroy has firmly established itself as the leading insecticide powder for household and general use.

Combining DDT in correct proportion with other toxic ingredients Pestroy destroys insect pests wherever it is sprinkled. Although extremely powerful, it is entirely safe for use on domestic animals and birds.

Summer weather means a still bigger demand for this modern insecticide. Make sure that you will have adequate stocks of Pestroy in 9d. and 2/- drums.

PESTROY destroys pests

MANUFACTURED BY BOB MARTIN LIMITED SOUTHPORT LANC

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Disinfectants

to Hospitals, Public Institutions, Local Councils, &c
REMEMBER that

BURT, BOULTON & HAYWOOD LTD. Managers to
the **PRINCE REGENT TAR COMPANY, LTD.**

give you special terms.

Carbolic Disinfecting Fluids containing 10% to 80% Tar Acids.

White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 18/20, 22/24.

Lysol B.P. Quality.

Pink Disinfecting Powders.

Carbolic Sheep Dips, approved by the Ministry of Agriculture under the Sheep Scab order.

Carbolic Disinfecting Fluids, Rideal Walker Co-efficients 2 to 20.

Liquid Carbolic and Cresylic Acid, Pale, 99/100%.

Formaldehyde (Formalin) 40% Solution.

Carbolic Weed Killer, etc.

Tar Acids and Rideal Walker Co-efficiency guaranteed. May be sold by Chemists and Druggists under own name. Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Acts." May be packed and sold by Chemists under own name.

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(Managers: BURT, BOULTON & HAYWOOD, LTD.)

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Reminder!**



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only through
the Private
Chemist*

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THE MOST COMPLETE
SERVICE IN PHARMACY
BUILT OVER 80 YEARS

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**AYRTON
SAUNDERS
& CO. LTD.**



HOW LONG IS A ROW

The answer rests with you, but we should like to point out that a long row of 'Iodex' jars in your shop soon becomes a very short one.

It has been prescribed by doctors for over thirty years, and its popularity is ever increasing.

Keep good stocks of

'IODEX'

IODINE OINTMENT

1 OZ. JARS

TRADE PRICE: 16/6 per dozen plus 2/9 Tax

RETAIL PRICE: 2/- each plus 3d. Tax

Supplied also in 4-oz. Jars

MENLEY & JAMES LTD.

123 COLDHARBOUR LANE,
LONDON, S.E.5.

Pharmacist and psychologist — the Chemist is both. His customers' purchases not only go into the medicine cupboard but sometimes give a glimpse of a skeleton there — troubles which the skill and wisdom of the Pharmacist does its best to overcome.



Customers vary . . . there's the "tired" type. An aftermath of the war. He hasn't got over the strain of seven years of over-strain and under-nourishment. He needs food from which his digestion can absorb the full value. His digestion needs rest to build up its normal healthiness. He needs a course of Benger's Food. You must have many such customers. You wouldn't suggest that they need "take" anything **...but you can invariably sell them Benger's**

90% of your customers
need Benger's Food and are
being educated to ask for it.



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Ointments

are again freely available in a wide range of titles including Chilblain, Lanoline, Wintergreen, Zinc and other B.P. and B.P.C. formulæ. Several exclusive prescriptions are also included in the series.

Prices and Samples on application.

TR 132

THORNTON & ROSS
LIMITED
Manufacturing Chemists
LINTHWAITE-HUDDESFIELD

Better Check Now:

with cold weather approaching, calls for ANTIPHLOGISTINE will increase.

When the soothing, pleasant relief of a "Moist Heat" poultice is needed in the treatment of respiratory conditions: chest colds, sore throat-ANTIPHLOGISTINE, the ready-to-use medicated poultice, will be called for. So you had better check your stocks now and be ready for these increased calls for ANTIPHLOGISTINE.



The Story of
Antiphlogistine
is being carried to the
medical profession by
medical journals.

P.A.T.A.

Antiphlogistine

THE DENVER CHEMICAL MFG. CO.
LONDON - - N. W. 9

NODAN

NODAN—Prepared from a new and highly scientific formula obtains results very rapidly. Eradicates scalp disorders, stops scurf irritation. Non-toxic, non-greasy, does not stain. Sells at 3/10½d. per bottle, including tax.

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Full particulars on application from the
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86 Clerkenwell Road, London, E.C.1

BRITISH ALKALOIDS AND FINE CHEMICALS

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BROMIDES & IODIDES

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| ATROPINE | CAMPHOR | CAFFEINE |
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| STRYCHNINE | NICOTINE | NICOTINIC ACID |
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| ESSENTIAL OILS | CLOVE OIL | THEOBROMINE |
| SANDALWOOD OIL | | |
| EXTRACT OF IPECAC. LIQ. | | |
| DRUG GRINDING | | |

THEOPHYLLINE

*World conditions may determine availability
of supplies*



WHIFFEN & SONS, LTD.

INCORPORATING GEORGE ATKINSON & COMPANY. ESTABLISHED 1654

FULHAM, LONDON, S.W.6.

'Phone: Renown 3416

'Grams: Whiffen, London

'HUFFS'

SWEETENED
GERM KILLING THROAT TABLETS
NEW ATTRACTIVE LABEL

Again extensively
advertised through-
out the country

ORDER NOW !

RETAIL 1/3 inc. Tax

Shewing 33 $\frac{1}{3}$ % profit to you

COST: 1 to 3 doz. 11/1 per doz. 6 doz. lots 10/6 per doz. 1 gross lots 10/3 per doz. All inc., P. Tax. 3 Dozen and over Carriage Paid. **BONUS:** 13 to doz. 7 doz. and over. 5 to 10 gross lots—special rates.



Made by :-
HOUGH, HOSEASON & CO. LTD.

Manufacturing Chemists

LEVENSHULME - MANCHESTER, 19

MEMBERS OF THE P.A.T.A.

"OXOID"

The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

ORGANO-THERAPEUTICAL PRODUCTS

OXO LABORATORY PREPARATIONS

HORMONES **OESTRIN**

Indications: Menopause; Menstrual Irregularities; Uterine Inertia; Amenorrhœa; Pruritus Vulvæ; Suppression of Lactation.

Tablets: 1000 I.U. Ampoules: 1000-50000 I.U.

STILBOESTROL

Indications: As for Oestrin.

A highly potent oestrogenous substance for oral administration.

Tablets: 0.5 mg., 1.0 mg. and 5.0 mg.
Ampoules: 1.0 and 5.0 mg.

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Indications: Habitual Abortion; Menorrhagia; Functional Uterine Hæmorrhage; Dysmenorrhœa; Toxæmia of Pregnancy.

Ampoules: 1.0 mg., 2.0 mg. and 5.0 mg.

"PITOXILIN" **PITUITARY EXTRACT (P.L.)**

Licensed and standardised in accordance with the Therapeutic Substances Act. For the Induction of Labour; Uterine Inertia; Post Partum Hæmorrhage; Surgical Shock; Diabetes Insipidus.

Ampoules: 5, 10 and 20 I.U.

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Useful for the treatment of Asthma; Epistaxis; Tonsillitis; Hay Fever; Influenzal Crisis; Surgical Shock; etc.

Solution: 1 in 100 and 1 in 1000 Ampoules: 1 in 1000.

OXO LIMITED
THAMES HOUSE, LONDON, E.C.4

OXO LABORATORY PREPARATIONS



A Watched Pot

... never boils, but an unwatched process can often go wrong. A vigil eye is only one of the secrets in the manufacture of perfect pills and tablets. Constant inspection, regular checking and analytical control—all these have played

their part in winning for our products the reputation they now enjoy.



MANUFACTURING CHEMISTS
OFFICE & WORKS: MANSFIELD ROAD, DERBY
'Phone: Derby 4266 (3 lines) 'Grams: Daniz, Derby



Grape sugar, phosphates and vitamins are all contained in Winox—not only a wine but a predigested food acceptable to enfeebled digestions. Because supplies are short, please help us to reserve available stocks for invalids only. Per bottle 12/-.

WINOX THE MEAT & MALT WINE

BEAUFOYS WINES LIMITED
ARON PLACE, SOUTH LAMBETH ROAD, LONDON, S.W.8

HOUSEWIVES ARE BEING TOLD
THAT IT'S **OATREX** FOR



The question of the hour is food and how families can get the most goodness out of available supplies.

OATREX is giving the answer in wide regional press advertising. It is telling how OATREX, prepared from the finest Scottish oats is rich in valuable "OATRITION" for building health and vitality.

Retail selling prices: Medium Ground (Green label) 1 lb and 2 lb. 1/4 and 2/6. Fine Ground (Red label) 1 lb. and 2 lb. 1/5 and 2/8.

A Product of George
King & Co. Limited,
Kingsbury, London,
N.W.9.

OATREX

KING'S FAMOUS PRE-COOKED OATMEAL

Enquiries to Kings of Kingsbury (Sales) Ltd., 1, London Bridge S.E.1

A REVOLUTIONARY DEVELOPMENT IN INTRANASAL SULPHONAMIDE THERAPY

SULFEX



'Sulfex' combines, for the first time, in a single chemically stable preparation the potent bacteriostatic action of 'Mickraform' sulphathiazole (5%) and the effective vasoconstriction of 'Paredrinex' (1%). The minute crystals of 'Mickraform' sulphathiazole ensure an enhanced therapeutic effect and uniform coating over infected areas. 'Paredrinex' exerts rapid, complete and prolonged shrinkage of the nasal mucosa thus achieving maximum ventilation and drainage. Indicated in acute nasal and sinus conditions and sore throat.

In 1-oz. bottles with separate dropper, 4/6 - 7d. Purchase 12 Trade price per dozen, 40/6 - 6/9 P.T.

MENLEY & JAMES LTD., 123, COLDHARBOUR LANE, LONDON, S.W.

For Smith, Kline & French Laboratories, owners of trade marks *

POST



THAT MEANS

Yestamin

VITAMIN YEAST

IN TABLETS Vitamin B1, 30 I.U. per gram. Riboflavin B2 65 mcgs. per gram. Niacin 455 mcgs. per gram

1/1 1/2 PER 100 ★ 3/- PER 300
TRADE TERMS

Bottles of 100 Tablets: Retailed at 1/1 1/2; 9/- per dozen. Bottles of 300 Tablets: Retailed at 3/-; 24/- per dozen. Less 5% cash in 14 days. Window and Counter Display Material available.

THE ENGLISH GRAINS CO. Ltd., Burton-on-Trent

Good! it's MASON'S
EXTRACT OF HERB

The Chemists' FAVOURITE for over 75 YEARS

A 9d. bottle makes 6 gallons of delicious sparkling Mason's Beer. GOOD PROFITS—QUICK SALE

Write for Trade Terms

NEWBALL & MASON LTD., NOTTINGHAM. Est. 18

FOR EXPORT, Hospital crockery, bedpans (round and slipper), urinals, sick feeders, lotions bowls, chairpans, kidney trays, medicine measures, commode pans and most types of surgical crockery. **WAGSTAFF & BRUNT** Longton, Stoke-on-Trent, Staffordshire, England.

.. MANOIDS ..
. NEVROIDS .
URICURE TABLETS
OCCASIONAL PILLS

THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY
and all Sundries Houses



FOR PROTECTION
AGAINST **COLDS**



The capsules contain:
(a) Specific Antigens
(b) Immune Globulins
(c) Vitamins A, B and D

Packed in boxes of one dozen

ESOBACTULIN CAPSULES are an effective protection against colds and are simple to take. 6 Capsules taken over 5 days give most people 3 months protection from colds.

ESOBACTULIN
PROTECTION AGAINST COLDS

COMPLETE COURSE 7/6
Inclusive of Purchase Tax
Trade Discount 33 1/3%

P.A.T.A.

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Sole Distributors for
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LONDON, S.W.15



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The "ace" pressure-sealing cellulose tape. Available printed your name, brand or identification matter

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PACKAGING TAPE INDUSTRY

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SHE 3326 (five lines)

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The **VITAMIN
MALT FOOD**

Sole Manufacturers With Vitamins (A. 6,500 I.U., D. 400 I.U.)
per fl. oz.
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Rd. N.19

ESTABLISHED 1793

**ATKINSON & BARKER'S
INFANTS' PRESERVATIVE**

The Best and Safest Infants' Medicine of
150 years' standing

Does not contain any Scheduled Poison
ROBERT BARKER & SON, LTD.
WESLEY ST., C. on M., MANCHESTER

**Compressed
TABLET SERVICE**

WHOLESALE & EXPORT

Reasonable estimates.
Clients' own material operated if desired.

The **DALES ASPIRIN AND TABLETING CO.**
Barrows Lane, STEETON, Yorks.

PROMPT DELIVERY FROM STOCK

POTOLICS

Lozenges
Relieve Sore Throats
Disinfect mouth,
throat, chest

1/-, 1/10, and 12/6
sizes

BESURDY

Antiseptic Skin
Balm
Contains 3 active
antiseptics
Soothing, healing,
Flesh coloured
Rose Perfumed
Deodorising
Non-greasy

GOOD PROFIT

2/- and 3/6 per jar

RED TILE FASHENE

for a deep red and bril-
liant waterproof finish
for bricks, cement,
stone, etc.

1/6, 3/6, and 12/6
sizes

GROW MORE HAIR

HELSKA

Dandruff
Remedy
and Hair Tonic
For a healthy scalp
and luxuriant hair
3/6 per bottle

THEAL

For Children's Hair
Removes all vermin in
one application
2/6 per bottle

For a closer, cleaner,
smoother, more com-
fortable shave and a
lovely skin

LOSKI

Brushless Shaving
Cream
1/6 and 2/6 jars

GLOREEN

Triple Gloss Hair
Cream for men who
want the best
1/6 and 2/6 per jar

AUTOFASHENE

Car Polish

For a glorious shine
In a fraction of the
time

Beautifies the coach-
work, leather and
leathercloth uphol-
stery, waterproofs the
hood and plated parts

Retails 3/6 per large
tin

FASHENE

Triple Wax
Floor Polish

Gives an easier,
quicker, brighter, and
longer lasting shine
and leaves the hands
soft and smooth

1/-, 3/6, and 12/6 per
tin

FASHENE

De Luxe

Furniture Cream
Brings out the beauty
of the grain and gives
a brilliant wear resist-
ing finish
1/6 and 2/6 Jars

Beauty preparations
of the finest quality by

VANDYK

Brilliantine

Vanishing Cream

Cold Cream

All Purpose Cream

Liquid Cleansing
Cream

Setting Lotion

Hand Lotion

Price List on request

MODENE

Shoe Creams

Suede Dressings

Leather Dyes

White Dressings

in all fashionable
colours

Retail 1/- per jar

RESTORE your

Hair to its original
colour

ORICOL

Brings back
Youthfulness to grey-
ing hair

5/6 per bottle

CHYLAX

The gentle laxative
for infants and all ages

3/6 and 6/6 per bottle

Send stamp for details, stating lines in which you are particularly interested, to

The BRITISH SURGICAL & DRUG CO., LTD.

FORTRESS GROVE, LONDON, N.W.5. Tel.: Gulliver 3474 (4 lines)

LONDON'S COATS OF ARMS

*Chelsea*

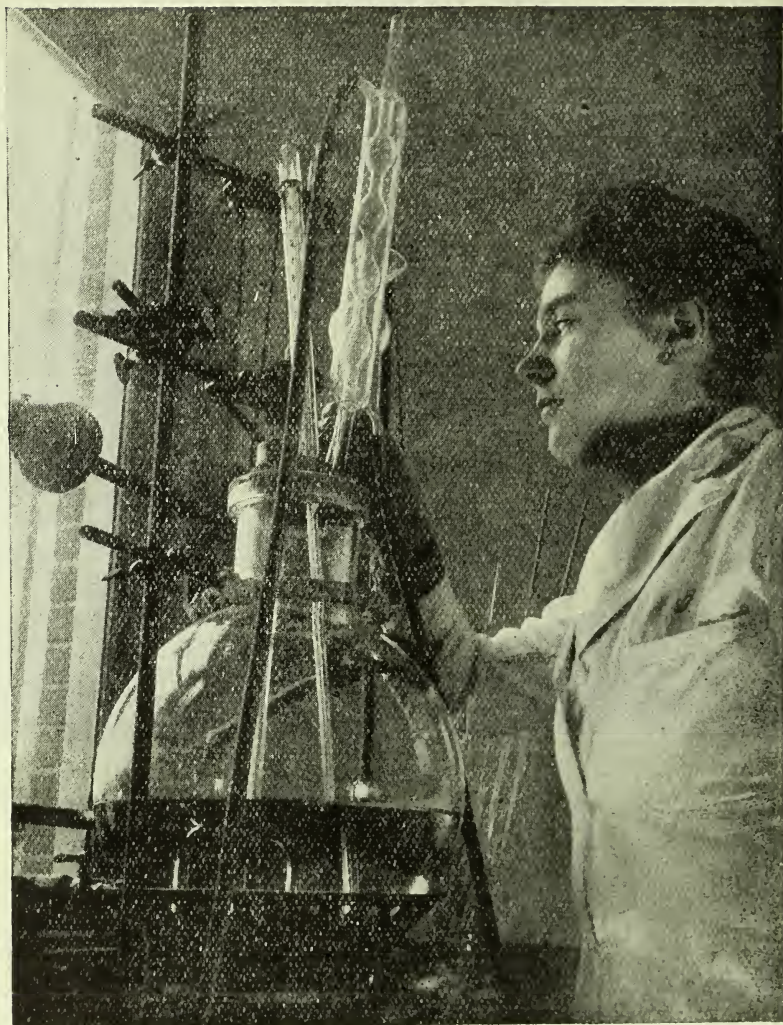
The Coat of Arms of Chelsea illustrates the Winged Bull, heraldic symbol of St. Luke, Patron Saint of the Parish. The Lion Rampant is from the Armorial bearings of Lord Cadogan, the Lord of the Manor. The two Boar's heads and Sword are the Arms of the Sloane family. Sir Hans Sloane, the eminent Physician and Botanist, was Lord of the Manor in 1712. The Stag, in the fourth quarter, is taken from the Arms of the Stanleys, and the Abbot's Crozier refers to the time of Edward the Confessor when the Manor was bestowed on the Abbey of Westminster. Motto: "NISI DOMINUS FRUSTRA"—Unless God be with us all will be in vain.

DRUG MERCHANTS AND

MANUFACTURING CHEMISTS

POTTER & CLARKE LTD

*London &**Manchester.*



**Polak &
Schwarz**
(ENGLAND) LTD.

PRODUCERS OF PERFUME BASES, FLOWER OILS,
SOAP PERFUMES, ESSENTIAL OILS AND AROMATIC CHEMICALS

50, Great Cambridge Road, Enfield, Middlesex. 'Phone: ENfield 3244-5 and 25

Agents for Australia: BLOK VAN ROOYEN & Co. Pty. Ltd., Box 948, Sydney, Australia.

FIFTY YEARS AT BARDSLEY VALE

On September 8th, 1896, there was a disastrous fire at the Manchester works of Thomas Kerfoot & Co., and it was decided to come out to this green oasis. A brief record of the evolution of the "Garden Laboratories" during this first half century at Bardsley Vale is now in the press and will be published shortly.



KG34

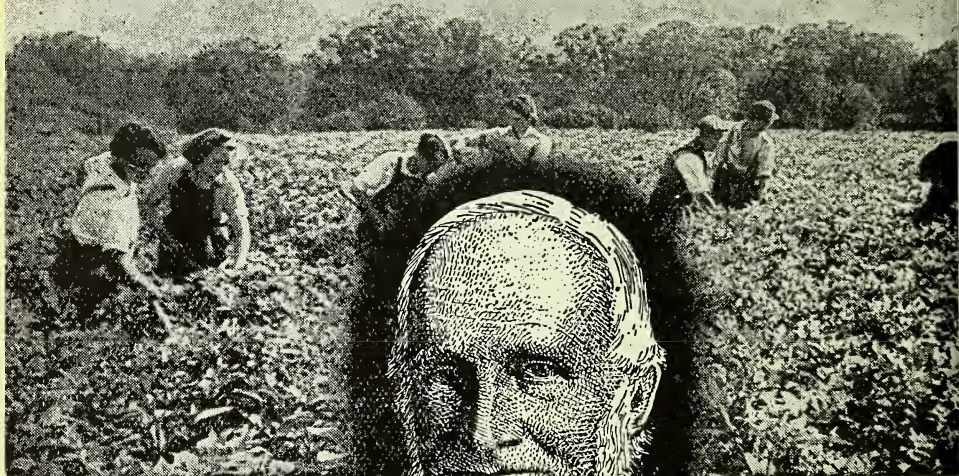
THOMAS KERFOOT & CO. LTD.
VALE of BARDSLEY · LANCASHIRE

1846

RANSOM

1946

DRUG GROWING FOR 100 YEARS



ACTUAL
GROWERS
OF

William Ransom, founder of William Ransom & Son Ltd. In 1846, William Ransom, druggist and naturalist, started his drug-growing farm at Hitchin, Hertfordshire. For 100 years drugs and galenicals from the Ransom farms and factories have been sent to all parts of the world, and the name Ransom has become a hall-mark throughout the pharmaceutical industry. To-day the Company looks with pride on its many achievements of the century.

BELLADO
HENBANE, FOXGL
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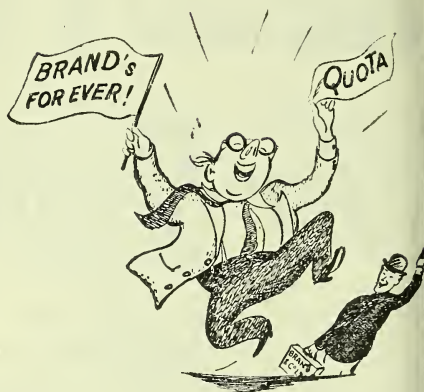
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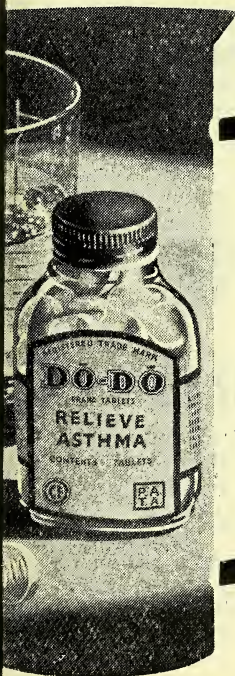
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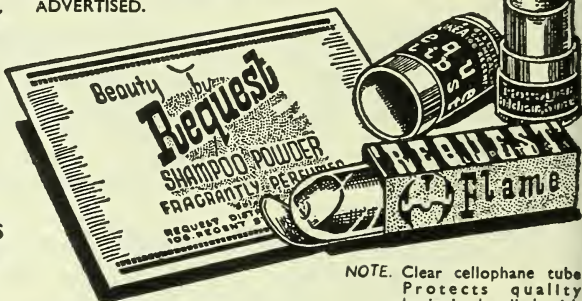


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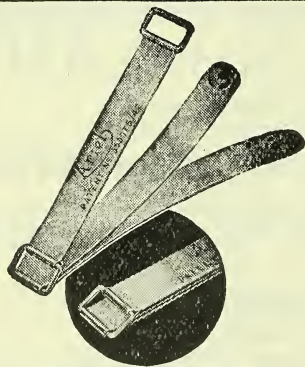


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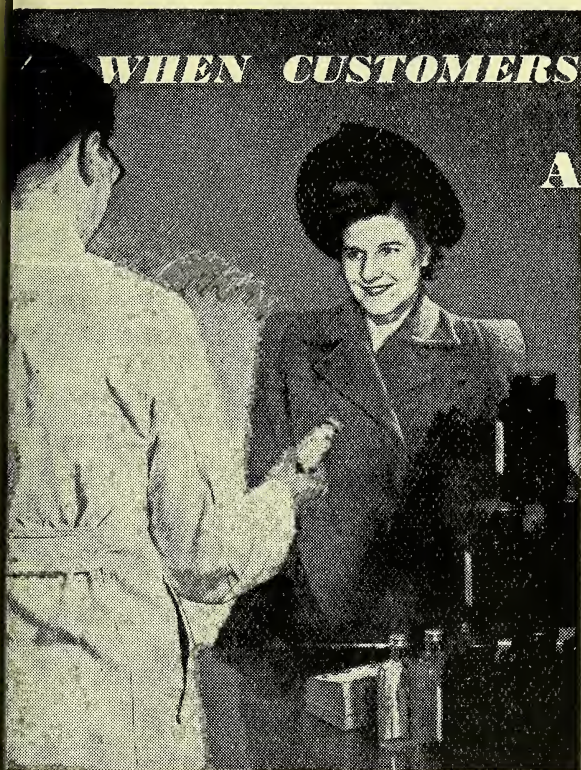
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NEWS OF THE WEEK

Bed-pans Tax Decision.—Bed-pans and trays designed for recumbent patients are in future to be chargeable with purchase tax.

This decision, made by the Commissioners of Customs and Excise, and notified October 26 supplements Notice No. 78.

Telephone Calls to Europe.—The division of Britain into two zones for the purpose of charging telephone calls to Europe has been discontinued. Calls from Scotland, Northern Ireland and the Isle of Man are no longer liable to a surcharge.

Committee on Causes of Death.—The Ministry of Health has appointed a medical committee to advise the Government on suggested alterations to the international list of causes of death, which is due to be revised in 1948 under the auspices of the World Health Organisation.

Doctors' Capitation Fee.—A conference of representatives of insurance practitioners held in London on October 25 accepted the offer of the Minister of Health fully to comply with the Spens Committee report to the present insurance capitation fee, and agreed

to enter into the necessary discussions. The Spens Committee recommended, in effect, a capitation fee of 15s.

British Purchasing Agency in Germany.

—A British purchasing agency has been set up at Minden to centralise exports from Germany to the United Kingdom. All purchases are on Government account and distribution will be made through the Sundry Materials Branch of the Board of Trade, 10 Old Jewry, London, E.C.2, where inquiries about specific goods should be addressed.

Belgian Business Visit.—A delegation of forty-seven members of the Brussels Chamber of Commerce is visiting Britain to establish business contacts in this country and to see the "Britain Can Make It" exhibition. The delegation includes M. H. Hackenburg (dealer in chemical and industrial products), and M. N. Kottenhoff (pharmaceutical commercial-representative).

Blackcurrant Syrup Supplies.—Arrangements, similar to those for 1945-46, have now been made to provide blackcurrant

syrup and puree for sale through retail chemists for children, invalids and persons in need of additional vitamin C. Approximately the same quantity will be available as last year, but owing to the higher price of fruit this year the retail price of the syrup will be 2s. 6d. per 13½-oz. bottle (previously 2s. 5d.), and the puree will be 1s. 1½d. per 9-oz. tin (previously 1s. 1d.). These prices will come into force on November 1. The bottles contain about two weeks' supply and the tins one week's supply. The manufacturers' price for the syrup is to be 21s. 7d. per dozen bottles and 9s. 9d. per dozen tins of puree. The wholesale price will be 24s. per dozen bottles and 10s. 10d. per dozen tins.

Women Pharmacists' Sale.—A "Bring and Buy Sale" held in London recently by the National Association of Women Pharmacists realised £36.

Dundee Lecture on Allergy.—Mr. C. Beavan, Ph.C. (Parke Davis & Co.), addressed a recent meeting of the Dundee Branch of the Pharmaceutical Society on "The Riddle of Allergy."

Hull Chemical Society.—Papers on the analysis of gelatin and on the Rideal-Walker assay of disinfectants were among those read at a recent meeting of Hull Chemical and Engineering Society.

Loose-leaf Pharmacopœia Suggested.—Speaking on "Drugs Old and New," at a recent meeting of the Leeds Branch of the Pharmaceutical Society, Mr. P. Hey, Ph.C., suggested that publication of the British Pharmacopœia in loose-leaf form might avoid the need for frequent addenda. New monographs could be circulated automatically to purchasers of the original volume.

City Shopping Facilities.—Mr. Lewis Silkin (Minister of Town and Country Planning) speaking at the annual luncheon of the City of London Retail Traders' Association recently, said he hoped that the new plan for the City of London would arrest the pre-war trend of day-time population from the City to the West End. Shopping facilities in the City must depend on the day-time population which, in turn, depended on the manner in which redevelopment took place.

Conference President's Glasgow Lecture.—After reviewing pharmaceutical progress during the last fifty years, Mr. B. A. Bull (chairman of the British Pharmaceutical Conference) told a recent meeting of the Glasgow Branch of the Pharmaceutical Society that formulas in the new British

Pharmacopœia would be designed, so far as possible, for the practical pharmacist. Referring to the National Health Service, Bull suggested that what was best for patient was also best for the pharmacist.

Hull N.H.S. Lecture.—At a recent meeting of the Hull Branch of the Pharmaceutical Society, Dr. R. Clitherow, M.M.P.S., spoke on "The Pharmaceutical Aspect of the National Health Bill." There was much to be done, he said, in connection with the Regulations of the Bill and this purpose, he maintained, it was necessary to have a body fully representative of the profession. He defined the aims and purpose of the proposed "Craft Union" pharmacy. A vote of thanks to the speaker was proposed by Mr. C. Hewitt, seconded by Mr. A. Surfleet. Mr. L. S. presided.

Presentation to Representative.—Hereford, on October 24, Mr. James Birnie (senior representative of The British Druggists' Houses, Ltd., London) was presented with a gold watch and chain and a cheque from pharmaceutical friends in the area. Birnie relinquished a portion of his territory earlier in the year, when he ceased to represent Worcestershire, Herefordshire and South Wales, territories he had covered for forty-two years. A fund was opened by Messrs. G. Turner (formerly of Anderson & Virgo, Worcester), Alec Johnston (Druggists, Ltd., Cardiff) and N. H. Gardiner (Chemists, Ltd., Hereford). Fifteen friends of Mr. Birnie were present at the ceremony.

Census of Chemists' Trading.—An increase of 11 per cent. in chemists' trading during July 1946 over that of July 1945 and of 8 per cent. compared with July 1946, are shown in figures published by the Board of Trade, based on returns received from chemists who are taking part in an experimental distribution census. A total of 300 forms was returned by chemists (out of 658 from all traders participating) and three areas had samples of over 100 chemists. The North-east and South-east of England recorded a 14 per cent. increase, the Midlands and South Wales a 5 per cent. increase. Elsewhere, smaller samples showed increases ranging from 1 per cent. to 29 per cent. No comparison is possible with figures issued by the Bank of England as these include sales from "fancy departments."

Strychnine for Moles.—One way to destroy moles, the Ministry of Agriculture and Fisheries points out, is by the use

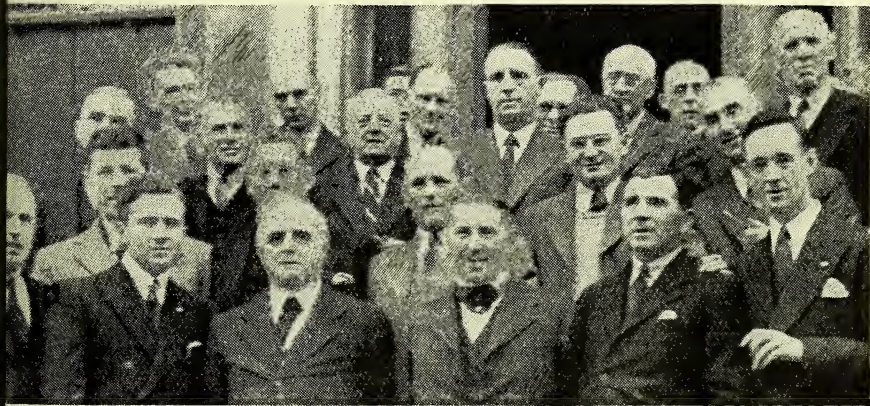
m-baits poisoned with strychnine. As with strychnine "as can be heaped on a ring" should be sprinkled (not by hand) 2 lb. jar-full of worms, and the worms dead with a twig which afterwards should be burnt. The bait should be prepared at the two hours before it is required, and should be used within six hours. One of the worms should be dropped into the mole run, and the hole blocked, care being taken to exclude all light from the (which should not, however, be obstructed). A warning is given concerning the need for the safe storage of strychnine for the safe disposal of all bait, etc., used. For the public to obtain strychnine for mole-killing from a chemist is a unit from a War Agricultural Executive Committee is necessary.

IRISH NEWS

Eire Examination Results.—The following candidates were successful in the Octolice examination held by the Pharmaceutical Society of Ireland: Louise Joaner, Margaret Heaney, Sarah Grace McMahon, Karl Bryan Mary Quinn (all Honours); Margaret Mary Coleman, Justin Corbett, James Edward Fox, Abeth Gavigan, Francis Aidan Hanley, Michael Hegarty, Mary McSweeney, Michael Moore, John Joseph Natin, Eileen

Maura Raleigh. The following passed the Assistants' examination: William Arthur Adams, Gerald Francis Alley, Malachy Brendan Brophy, Ellen Mary (née Norton) Coleman, Mary Joseph Briget Cotter, Owen Richard Cronin, Alphonsus James Dolan, Olwyn Frances Fitzgerald, John Christopher Greaney, Patrick Hickey, Mary Frances Keane, James Brendan Kissane, Oonagh Josephine McHugh, Annie Philomena Moriarty, Francis Joseph O'Brien, John Joseph Eamon O'Brien, Michael Francis O'Callaghan, Eileen Mary O'Connor, Maureen Teresa O'Driscoll, Julia Briget O'Sullivan, Anastasia Teresa Scroope, Donal Patrick Smith.

Eire Benevolent Fund Dance.—The annual dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland will be held on December 10 at the Gresham Hotel, Dublin. Tickets (12s. 6d. each) may be obtained from the joint secretaries of the dance committee, Mr. David Murphy, M.P.S.I., Emmett Road, Kilmainsham, Dublin, and Miss Cora Gaffney, 17 Earlsfort Terrace, Dublin. Members who cannot attend the dance are invited to send donations to Miss B. Fulham, c/o May & Baker, Ltd., 39 Kildare Street, Dublin, who will see that they are included in the returns.



EDUCATIONAL COUNCIL. Group photographed outside headquarters of Pharmaceutical Society of Ireland October 23 at first big meeting of an Educational Advisory Council which has been set up to consider modernising pharmaceutical education in Eire. The Council is to submit to the Council of the Society recommendations for a new and up-to-date course of pharmaceutical studies. Fourth from left in front row is Mr. J. K. Whelehan (President of the Society). On his right is Dr. Alfred O'Rahilly (vice-chancellor, National University of Ireland, and President, University College, Cork) and on his left Mr. M. Costelloe (president, Irish Drug Association). Immediately and Dr. O'Rahilly is Mr. P. A. Brady (vice president, Pharmaceutical Society) and behind Mr. Whelehan is Mr. John O'Sullivan (treasurer). The group also includes Professor P. J. Drumm (University College, Cork); Dr. Aherne (University of Limerick); and Mr. O'Sullivan (University of Limerick). The group also includes Professor P. J. Drumm (University College, Cork); Dr. Aherne (University of Limerick); and Mr. O'Sullivan (University of Limerick).

COMPANY NEWS

ST. CLARE, LTD. (P.C.).—Capital £100. To carry on the business of pharmaceutical, analytical, photographic, manufacturing and dispensing chemists, druggists, opticians, etc. S. L. Sinclair and Joyce R. Sinclair, both of 58 Hartley Down, Purley, Surrey, directors. R.O.: 58 Hartley Down, Purley, Surrey.

BIRO, MEYNE & BIRO, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in cosmetics, perfumes and essences and pharmaceutical preparations, manufacturing, wholesale and retail chemists, etc. First directors are to be appointed. R.O.: 74 Earls Court Road, London, W.8.

AIMER PRODUCTS, LTD. (P.C.).—Capital £2,000. To carry on the business of glass blowers for industrial and experimental purposes, manufacturers of and dealers in glassware and proprietary articles, chemists, druggists, etc. First directors are not named. R.O.: 71 Moorgate, London, E.C.2.

DAYTABS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, toilet and photographic requisites, etc. Reginald J. H. Day, 90 Kirkgate Market, Bradford and Phyllis S. C. Day, Laisterdyke, Bradford, directors. R.O.: 332 Killingham Road, Bradford.

H. C. MINTON (CHEMISTS), LTD. (P.C.).—Capital £1,500. To carry on the business of chemists, druggists, drysalts, analysts, opticians, etc. Henry C. Minton, M.P.S., 93 Platts Lane, Hampstead, London, N.W.3 and Bernard Perec, M.P.S., 8 Wellesley Court, Maida Vale, London, W.9, direc-

tors. R.O.: 7 Kilburn Bridge, Kilburn High Road, London, N.W.6.

GIBSON'S PHARMACY & DRUG STORE LTD. (P.C.).—Capital £500. To acquire the business of Gibson's Drugs Stores carried on by James C. Gibson at 3 Bridge Street, Newhaven, Sussex. James C. Gibson, Ed M. Gibson and Robert W. C. Gibson, of 58 Meeching Road, Newhaven, and Bernard A. O'Kane, 3 Denton Terrace, Newhaven, directors. R.O.: 3 Bridge Street, Newhaven, Sussex.

BANDBOX PERFUMERY CO., LTD. (P.C.).—Capital £100. To acquire from As Laboratories, Ltd., the registered trademark "Bandbox"; and to carry on the business of chemists and druggists, etc. Cyril R. G. Young, Edenderry, Brock Hill, Stanmore, Middlesex; John Dyer, High Point, North Hill, Highgate, London, N.6; and Denis I. Duveen, Porchester Gate, Porchester Terrace, London, W. directors. R.O.: 120-122 Victoria Street, London, S.W.1.

TWENTIETH ANNUAL MEETING.—Buckley Bowker Tablet Co., Ltd., held their twentieth annual meeting recently, and the opportunity was taken to photograph the directors around the board-room table. The directors' report recorded the company's continual progress since its foundation in 1926 by Messrs. J. F. Buckley and C. W. Bowker. The success of the company is attributable to the high standard of work resulting from experience gained by the founders during their long association with leading chemical manufacturers. Retention of old customers and the addition of many more during the war years has been practical recognition of the high quality



production that has been maintained. The loss by sudden death of Mr. Buckley in 1945 was a great blow to the company. The co-directors, J. F. Buckley and C. W. E. Bowker, have been actively supported by Mr. J. Frederick Buckley, who was appointed permanent co-director and secretary, in the father's position.

TOPICAL REFLECTIONS

Cough Mixtures

Mr. J. Balfour Kirk's comments on coughs and cough mixtures (p. 528) throw light on a difficulty that frequently arises at the front counter during the winter. What should be recommended for various kinds of coughs? Dr. Kirk's first sentence comes with a useful warning: "There is still too great a tendency to imagine that the rapid removal of any cough by medication based on sedatives is a desirable object in itself." As a general rule, pharmacists are advised to refrain from recommending cough mixtures containing sedatives. Sir Thomas Loder Brunton, in his once popular textbook on pharmacology, therapeutics and materia medica (1891), made the challenging statement that in some cases of cough average doses of an alkali are sufficient. It is more usual for dispensers to receive prescriptions containing an expectorant and a stimulant in addition to whatever alkali mixture of alkalis is selected. This practice raises by implication the question of the choice of an alkaline ingredient. If the alkaline bicarbonates are abandoned in favour of magnesium trisilicate, kaolin and starch, does it follow that one or more of the latter "antacids" should be combined with ipecacuanha or another expectorant? Is any chemical or therapeutical incompatibility involved? Many pharmacists of experience have, no doubt, noticed that some coughs persist until a mixture containing a sedative is tried; but the choice of such mixtures is best left to a medical practitioner. I remember five-grain tablets of Dover's powder, broken into small pieces, being left with a patient as the remedy for a cough.

Bringing a Century and a Half

The sesquicentenary (as we may call it) of James Woolley, Sons & Co., Ltd. (p. 539), must not pass without a brief note of congratulation in this section. As you have recently outlined the history of this well-known manufacturing house, I need not be retrospective. It is always a pleasure to visit its dignified headquarters, admirably placed and typical of all that is best in the commercial life of Manchester. Some years ago a director of the company told me, if memory serves, the possession of the site includes the right of fishing in a defined area of Irwell; but I have never inquired about the nature and value of any catches that may have been made. Long may the house of Woolley continue to occupy its

distinguished position! By a sad coincidence the death of Mr. J. H. Franklin, Ph.C., long a member of the directorate, was announced in your last week's issue. Mr. Franklin was a practical pharmacist of a valuable type. He gave one the impression of being always on the alert to explore the possibilities of any new discovery, and to use his knowledge and experience for the benefit of pharmacy. His gallant fight against a temporary illness when he was chairman of the British Pharmaceutical Conference at its meeting in Manchester in 1931 has not been forgotten; he will be greatly missed in many circles.

Another Rheumatism Centre

The announcement of the establishment of a research centre for the study of rheumatism at the University of Manchester (p. 518) is a reminder that in recent years considerable amounts of time and money have been spent on the investigation of this group of diseases. My first reaction to the news was to hope that there will not be any overlapping with the work of the Empire Rheumatism Council, which has just celebrated its tenth anniversary. That council received, soon after its inauguration, gifts which included one of £13,000 from Mr. Alexander Maclean; and in 1937 the late Sir Kingsley Wood, then Minister of Health, laid the foundation-stone of a department for the work of the Council in a London hospital. A letter in "The Times" of October 25 from Lord Horder (chairman of the Council) helps to dispel doubts that contemporary studies in this difficult subject may lack correlation with each other and with the general stream of medical research. After emphasising the importance of this correlation, Lord Horder continues: "It is exactly in this respect that the Manchester scheme . . . is outstanding. Incidentally, the scheme puts 'rheumatism' for the first time into the category of 'big business' owing to the generosity of the Nuffield Foundation. It is to be hoped that further schemes of this kind will be launched in connexion with this disease group . . ." The latest estimate that I have found of annual financial losses due to rheumatic diseases is £5,000,000 from National Health Insurance funds and £17,000,000 from these funds together with loss of wages. Obviously there is ample scope for further inquiry into the nature of what is included under the general term "rheumatism,"

Xrayser

TRADE NOTES

Tax-free.—Eucryl, Ltd., Southampton, suggest that many retailers have been under the impression that Eucryl dental-plate fixative is subject to purchase tax. They point out that this item is, in fact, exempt.

Fire-lighters.—On another page, Fubex, Ltd., 27 Albemarle Street, London, W.1, suggest that chemists should stock Lit fire-lighters, which are obtainable through trade wholesalers.

Licence for Penicillin Injections.—Mr. G. A. Clark, 282 Union Street, Torquay, now holds a Therapeutic Substances Licences for the preparation of injection solutions of penicillin and is prepared to undertake this work for chemists in his area.

Protective Cream.—Verdiers' Manicream, manufactured by Verdiers, Ltd., 35 Old Bond Street, London, W.1, is described as a hand-protective cream which "takes the dirt out of work" and protects against chafing.

Now Under Trade Mark.—Potter & Clarke, Ltd., 60 Artillery Lane, London, E.1, recently registered the word Ulmex, and will be using it as a trade mark in connexion with their products slippery-elm shaving soap and shaving cream.

Analgesic Containing Codeine.—The active constituents of Kodeno tablets, manufactured by the English Pharmaceutical Co., Ltd., London, are acid. acetylsalicyl., 32.68 per cent., phenacetin, 32.68 per cent., and codeine, 0.99 per cent., and not as previously stated in these columns.

Reserved for Export at Present.—The nail-brush and tooth-brush in Nylon material produced by Addis, Ltd., Hertford, and illustrated in last week's issue of the *C. & D.* (p. 525), are at present available only in the export market. The makers hope to have them available to dealers in Britain early in 1947.

Sulphonamide Tulle.—T. J. Smith & Nephew, Ltd., Hull, have introduced, under the name Jelonet/B, a sulphonamide tulle burn-dressing. The preparation is listed in the Merchant Shipping Medical Scales with the approval of the Ministry of Transport. Terms to the trade and prices to ship owners are given in an announcement by the company elsewhere in this issue.

Display Outers Available.—Harcombe Cooper Sales, Ltd., Roundhay Grange, Dib Lane, Leeds, 8, announce that attractive display outers holding one gross large or

half-gross small Universal medicated buccal tablets are available. The company also states that the price of the small containers per gross is sixpence more than the figure wrongly given in an advertisement in the *C. & D.*, October 26, p. xxi.

Bottle Change.—An alteration in size and an improved design are announced

Milton Antiseptics, Ltd., John Milton House, London, N.7, for the bottle containing their proprietary speciality, Milton. The change in design affects not only the label but the method of capping, a plastic screw cap replacing the former rubber stopper. The improvement was made after first obtaining the favourable view of many pharmacists. The new bottle contains 3 oz.



Beauty "Iron."—C.194 Products, Ltd., 35 Parkgate Road, London, S.W.11, have introduced the Ionette, a device for "ironing" the complexion whilst simultaneously applying cream to the skin. The apparatus which consists essentially of an egg-shaped cream-container at the end of a long hand is dipped into hot water before use and applied warm to the skin. Supplies are available to chemists on application to the manufacturers.

Five-day Week.—ALLEN & HANBURY, Ltd., Bethnal Green, London, E.2, announce that they have adopted a five-day working week, which will be in operation from November 4. The company's West End branch at Vere Street, London, W.1, will open to deal with orders for urgent medicines.—BEECHAMS PILLS, LTD., are now operating a five-day week at their Helens factory; the scheme is in the nature of an experiment, its continuance depending on maintenance of a satisfactory rate of production.

Penicillin Kits.—Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7, draw attention to their penicillin preparations in kits. In a penicillin cream kit are supplied four 25-gm. jars of base, four 2-c.c. vials of Steraqua C (sterilised distilled water containing chlorocresol) and four tablets each equivalent to 12,500 units of penicillin in

m salt. The procedure is to dissolve the tablet in 2 c.c. water, shake until dissolved, and stir the solution of penicillin into the cream base in the pot with a sterilized rod to produce penicillin cream, B.P., in a few minutes. The cream, when given to the patient, has a full life of about seven days. Independent tests made of cream manufactured from the kit show a potency of 480 units per gm., the theoretical figure being 500 ± 10 per cent. A second kit is for manufacture of penicillin eye-drops. The kit comprises two 15-mil vials of Steraqua O

P.A.T.A. contains an article "I was apprentice to Glyn-Jones," a note on the Prices of Goods Act, and a message from the Association's president (Mr. Ernest Skues) and other items.

Additions to Protected List.—*Scram Products*, Beetlescam "puffer" box, 1s. 6d., 12s. 9d. doz.; Beetlescam "bellows" box, 10s., 87s. doz. (exempt from tax).

Alterations.—*Moore Medicinal Products, Ltd.*, Correction: Prices of Morovin tablets quoted in a recent issue do not take effect until January 1, 1947. *Wright, Layman & Umney, Ltd.*, Wright's lysol, 2-oz., 8d., 5s., 3d. doz., 4-oz., 1s., 6s. 9d. doz.; 1-gall., 14s. 6d., 106s. doz. (exempt from tax).



Left, Part of cream kit.
Centre, Preparations.
Right, Eye-drop kit.

distilled water containing 0.03 per cent. (borocresol) two tablets of penicillin calcium salt, each containing 15,000 units, and two glass eye-droppers. A small booklet of instructions is enclosed, which states that the tablet should be inserted in the 15-mil vial of distilled water and shaken until dissolved. A small hole should then be pierced, by means of a sterilized needle, through the rubber cap of the vial, and the eye-dropper inserted. The company's range of penicillin preparations includes penicillin dental cones (intended for insertion in cavities after extraction of teeth, each cone containing 10,000 units of penicillin calcium salt in cocoa butter), and penicillin snuff (mixture of the calcium salt in an inert base to a resulting strength of 5,000 units per gm.).

Proprietary Articles Trade Association

Protected List Supplement.—The Proprietary Articles Trade Association, 43 Gordon Square, London, W.C.1, has issued a twenty-eight page supplement to the P.A.T.A. Year Book and Protected List, 1945-46. The booklet includes corrections and alterations to September 30.—The association's quarterly "Record" of the

BUSINESS CHANGES

HYGIENIC CHEMICAL CO., LTD., have removed to 600 Commercial Road, London, E.14 (telephone: Stepney Green 3434).

MR. M. E. MEREDITH has been appointed a representative in the Lancashire area for Monsanto Chemicals, Ltd., Victoria Station House, Victoria Street, London, S.W.1.

MR. NORMAN C. HUNT has been appointed manager of the sundries and patents departments of J. H. Haywood, Ltd., 11 Warser Gate, Nottingham.

GLASTICS, LTD., ask that until January 1, 1947, all communications to the company should be addressed to them at Salisbury House, Finsbury Circus, London, E.C.2.

WHALEY BRIDGE AND BUXTON CO-OPERATIVE SOCIETY, LTD., have acquired the Victoria Pharmacy, 78 Spring Gardens, Buxton, formerly carried on by Mr. J. K. Huddart, M.P.S.

MR. G. R. MILNE, Ph.C., has been appointed deputy director for the Scottish area of the Scottish National Blood Transfusion Association. Mr. Milne was formerly a lecturer at the Royal Technical College, Glasgow.

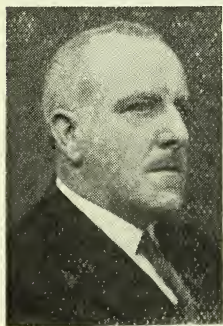
PERSONALITIES

MR. JOHN F. O'BRIEN, Ph.C. (J. G. McAviney, Ltd.), 36 Bridhe Street, Portadown, has won £17,280 in a football pool.

MR. JOHN W. GILES, Hykeham Road, Lincoln, a partner in R. S. & J. W. Giles, chemists, Monles Road and Newark Road, Lincoln, is to contest the Foss ward as an independent candidate in the Lincoln municipal elections on November 1.

EX-BAILIE DONALD MCGREGOR, M.P.S., Stirling, after a twelve months' rest from municipal activities, is again standing for election to the Stirling council. He is to contest the Castle ward instead of the Kings Park ward which he previously represented.

UNANIMOUSLY elected president of the Pharmaceutical Society of Northern Ireland at a meeting



of the Council on October 18, Mr. John W. Gray, J.P., Armagh, directs a business founded by his father, the late Mr. John Gray, chemist and druggist, English Street, Armagh, in which he began his apprenticeship. After experience with the late Mr. James Guiler,

Ormeau Road, Belfast, he qualified in 1909 while in the employment of Hayes, Conyngham and Robinson, Ltd., Dublin. He has long taken a keen interest in pharmaceutical affairs and was first co-opted to the Council of the Society of Northern Ireland in 1936. He has filled the positions of treasurer and vice-president with great acceptance. In Armagh the new president is one of the leading citizens. He has been a director of the Armagh Gaslight Co., Ltd., since 1924, and is a member of the committee of management of the Armagh Savings Bank, as well as a trustee of the Belfast Savings Bank. For twenty-five years he has been secretary of the Select Vestry of St. Mark's Church. Mr. Gray's election was proposed by the outgoing president (Mr. James McDowell) who spoke of his valuable services to pharmacy as a member of the Council and outside. Mr. J. E. Connor, J.P., who seconded, said he had known Mr. Gray for many years and he was confident that he would have a distinguished year as president.

MARRIAGE

MACKIE—CAMPBELL.—In Glasgow, recently, Thomas Mackie, M.P.S., 7 Woodend Park, Cardenden, Fife, to Mary Hamilton Graham Campbell, Giffnock.

DEATHS

GAIR.—At his residence, 148 Main Street Lockgelly, on October 17, Mr. James Henderson Gair, M.P.S., aged fifty-one.

HORROCKS.—On October 8, Mr. William Edward Horrocks, M.P.S., 81 Kin Street, Knutsford. Mr. Horrocks qualified in 1896.

INGRAM.—Suddenly, on October 22, Mr. Arthur Dennis Ingram (chairman and managing director, J. G. Ingram & Son, Ltd. London India-rubber Works, Hackney Wick, London, E.g.). He served his company for over forty years, during which time he devoted his energy to furthering the interests of the rubber industry and of those who worked with him.

JOHNSON.—On October 8, Mr. Frederick Ingram Johnson, M.P.S., 60 Waterloo Road, Bedford, aged eighty.

LEDGERWOOD.—Missing since September 12, 1942, as a result of enemy action at sea and now officially presumed killed, Mr. Hugh Ledgerwood, M.P.S., 7 St. Luke Avenue, Barrow-in-Furness, Lancs. Mr. Ledgerwood qualified in 1936.

LEWIS.—In London, on October 17, Mr. Evan James Rhystyd Lewis, M.P.S., Blaencwmpadam, Waun-Faur, Aberystwyth, Cardigans, aged thirty-two. Mr. Lewis was manager of T. H. Bateman & Co., Ltd., 22 Finchley Road, London, N.W.3.

MILLS.—On October 12, Mr. Edward Morgan Mills, M.P.S., 104 Kings Road Brentwood. Mr. Mills qualified in 1914.

OSBORNE.—On October 5, Mr. William Porter Osborne, M.P.S., Market Place, Warrington, Oxon, aged sixty-four.

PRINGLE.—On October 17, Mr. Nicholas Dunn Pringle, M.P.S., 7 Meadway, Woodford Green, Essex, aged seventy-two.

TWEDILY.—At Broomrigg, 14 Mead Road, Clarkeston, Renfrews, on October 2, Mr. Alexander Twedily, 44 Busby Road Clarkeston. Mr. Twedily qualified in 1909.

SMITH.—On September 30, Mr. Albert Smith, Ph.C., Glandfields, Spencers Wood nr. Reading, aged eighty-two. From 1920 to 1933 Mr. Smith was a councillor of the Royal Borough of Kensington.

NEWS IN PICTURES

**Burmese Lizard-sel-**

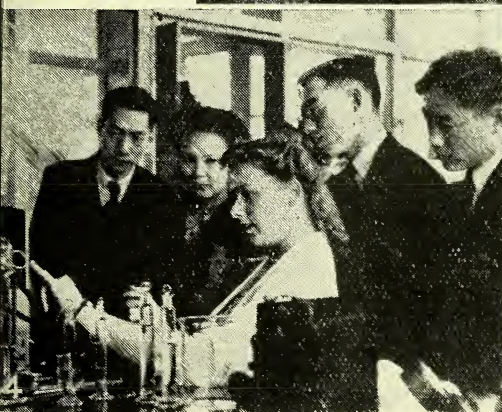
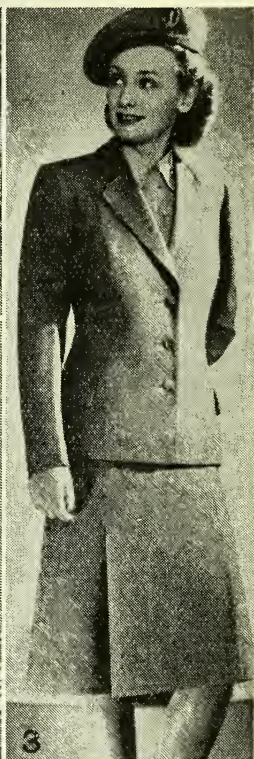
—Like many primitive peoples, the native population of Rangoon ascribe medicinal properties to reptiles. The lizard is met by street vendors selling cooked lizards, as in this group.

Centenary of Anæ-

sia.—Lord and Lady Curzon at exhibition at the Wellcome Historical Medical Museum to mark centenary of the first surgical operation performed under general anæsthesia (see p. 567).

Uniform for Mid-

wives.—Blue-edged grey frosted costume designed by Boyd, Cooper, and adopted as part of new uniform for registered Midwives.



Chinese Graduates at Chemical Works.—Post-graduate students from China, in Britain on two-year course under auspices of British Council, visit works of May & Baker, Ltd.

Make-up Studio.—First client at west-end demonstration studio of L. Leichner, Ltd. (C. & D., October 5, p. 423).



THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

PENICILLIN was the subject of questions in the House on October 21, when SIR JOHN MELLOR asked the Minister of Supply whether he was satisfied that sufficient penicillin was now available for United Kingdom requirements; and whether he would revoke the Control of Penicillin (No. 1) Order, 1946 (S.R. & O., 1946, No. 731).

THE MINISTER OF SUPPLY (Mr. John Wilmot), replied: No. Although the supply position has improved considerably, the removal of control measures would not be justified at present. The scope of the Order is, however, being extended from November 1 to allow registered veterinary surgeons to acquire supplies of penicillin.

SIR JOHN MELLOR: Are we not now exporting penicillin? Can the Minister say why it should be a criminal offence to ask a chemist for penicillin without tendering an approved prescription?

MR. WILMOT: I am advised that it would be most undesirable to allow penicillin to be used indiscriminately. It is better for the time being that control should be maintained.—The Minister also stated that penicillin was being exported.

Calcium in Flour

On October 23 MR. BOYD-CARPENTER asked the Minister of Food what quantity of calcium was inserted in flour at present.

MR. JOHN STRACHEY: Calcium [carbonate] is at present mixed into national flour at the rate of 14 oz. per 280 lb. of flour—0.3125 per cent.

SIR ERNEST GRAHAM-LITTLE asked the Minister of Food on October 23 who supplied the chalk to the millers for addition to national flour; and what guarantee he had that the milling process was carried out to meet the British Pharmacopœial standard for *creta præparata*.

MR. STRACHEY: *Creta præparata* is supplied to millers for addition to national flour by three firms—Associated Portland Cement Manufacturers, Ltd., Henry Rogers & Cooke, Ltd., and W. Marshall (Hessle), Ltd. Regular tests are carried out to ensure that the B.P. standard is maintained.

Steps to Increase Industrial Output

THE PRIME MINISTER replied on October 23 to a question by MR. OSBORNE what were the results of the Minister's spring appeal to trades unions and to industrial leaders

for greater output; whether he was satisfied with the response; and what further steps he contemplated to increase industrial output. Mr. Attlee said: The figures in statements published month by month show a general improvement in the output of goods, and I think that the production drive, which I inaugurated in the spring, has played an important part in bringing about this result. We are, however, still a long way from meeting our needs in production both for the home market and to pay for our necessary imports, and the Government are taking all possible steps to encourage and assist managements and workers to increase output. An important feature of the first phase of the production drive has been a series of regional conferences of employers and trade unionists addressed by Ministers. Use has in addition been made of Ministerial broadcasts and speeches; a leaflet has been widely distributed; a short film has been produced, and a poster campaign has been launched.

In the second phase of the drive, which is now opening, it is proposed to follow the measures by the greatest possible use of various media to bring home the objects of the drive to every individual concerned whether in workshop or office; in this connexion the fine lead that has just been given by the Trades Union Congress at Brighton should be of the utmost assistance. The aims of the production drive will, I am sure, commend themselves to all sections of the House, and I should like to take this opportunity of inviting members, irrespective of party, to co-operate.

SIR WALDRON SMITHERS asked the Prime Minister if, when he was making an appeal for an increase in exports, he would also point out, in view of the approaching end of the sellers' market, the necessity for exporting goods and services at world competitive prices. THE PRIME MINISTER replied that the Government was endeavouring to bring all such points, which were fairly elementary, before the public.

MR. ERROLL asked the Lord President of the Council whether he would arrange for the Government leaflet "Extra effort now means better living sooner" to be distributed where practicable by shop stewards and trades union officials to the workers they directly represented. Mr. Herbert Morrison replied that copies had been supplied to the Trades Union Congress, who

ention was, he understool, to distribute n to their members and to trades coun-; to national employers' organisations, to the Regional Boards for Industry the district production committees on ch both employers and trades unionists; the leaflets would be available for pro- tion conferences and factory meetings.

Soap Substitutes

MR. COLLINS asked the Minister of Food make a statement with regard to the process made in the manufacture of soap substitutes. MR. STRACHEY replied that additional plant to produce raw material for the manufacture of soap substitutes was going but until it came into operation, about March 1947, shortage of suitable raw material would remain a limiting factor.

Production Efficiency Officers

MR. S. SHEPARD asked the President of Board of Trade the number of production efficiency officers employed by his department; what their functions were and at qualifications they required.

MR. W. BELCHER: Twenty-two production advisory officers are employed in the Production Efficiency Service of the Board of Trade. They advise, when requested to do so by manufacturers, on matters such as factory layout, production planning, production methods and general organisation with a view to increasing production efficiency. The special qualifications required of these officers are practical factory experience and knowledge of industrial organisation and production planning.

Batteries for Hearing Aids

SIR ERNEST GRAHAM-LITTLE asked the Minister of Supply why labour and materials allocated for the production of hearing-aid batteries had been diverted to meet the requirements of a Government department, thus depriving the deaf public supplies intended for their use; and if he could give an assurance that in future the aims of the deaf public to a supply of both labour and materials, adequate to meet an urgent need, would receive priority.

MR. ARTHUR WOODBURN replied: My information is that the difficulty is due not to Government contracts, which form only a small part of the load on the capacity in production, but to a temporary shortage of components. We are doing all we can to see that the needs of the public are met, and to equate supplies of this particular type of battery should be available within the next week or two. Meanwhile, other types are available as emergency alternatives.

Government Deaf-aid

Further information on the Government's new aid for the deaf was given in the House of Lords on October 22 by LORD LISTOWEL (Postmaster General) during discussion on the committee stage of the National Health Service Bill. Lord Listowel said it should be possible to set up hearing clinics in conjunction with health centres as part of the local health service. "We are, of course, already pledged to provide for the widest possible use of the new and cheaper type of hearing aid. Production and distribution of these appliances will be done by the Government or public authorities in order to keep the price down to the lowest possible level. I think I can carry the matter a little further now. We mean to start the distribution of the new hearing aids from the outset of the new National Health Service, and, if the quantities of appliances are available, we shall not wait for the appointed day."

LORD CECIL, who moved an amendment to secure the same treatment facilities for the ears as for the eyes, said they were promised new "cheap" aids, but cheap meant about £8 for an instrument. That was not very cheap. The "cheap" aids were to be available for everyone. An important Committee had sat and investigated them and was satisfied that these aids could be made better and cheaper than anything that existed. "I should like to say that I have not been able to see any of them, and I do not believe any of them have been manufactured at all as yet. I am told there is no prospect of their being manufactured in any numbers till 1948."

LORD LISTOWEL replied: I can assure Lord Cecil of the existence of these deaf aids. I have seen one myself which was made by the Post Office Research Station at Dollis Hill. They will certainly be put into manufacture as soon as possible." He undertook to see whether explicit reference could be made to the deaf in the Bill, and Lord Cecil withdrew his amendment.

Doctors' Remuneration

The Government was defeated on an amendment moved by LORD LLEWELLIN to provide that doctors in the new service should be paid by capitation fee, except in exceptional cases, where the Minister of Health might, on the recommendation of the Medical Practices Committee, decide that remuneration should be on a different basis. Lord Llewellyn declared that, in a salaried service, the doctor would become much more the servant of the State than of the patient.

"FRIENDLY" ACTION AGAINST THE PHARMACEUTICAL SOCIETY

Decision Delayed in a "Matter of Considerable Difficulty"

A TEST case to decide what, under the Pharmacy and Medicines Act, 1941, were the meanings to be ascribed to "recommended as a medicine" and "sold under proprietary designation" in certain circumstances, came before Mr. Justice Wynn-Parry in the Chancery Division, London, on October 16. A summons had been taken out by Potter & Clarke, Ltd., Viaduct House, Farringdon Street, London, E.C.1, against the Pharmaceutical Society of Great Britain. Mr. Glynn Jones, K.C., and Mr. G. C. Honeyman appeared for the plaintiffs and Mr. Blanco White, K.C., and Mr. Holroyd Pearce, K.C., for the Pharmaceutical Society.

What Statute Enacts

MR. GLYNN JONES said the proceedings were what was commonly called "friendly" and the parties had agreed to invite his Lordship to express an authoritative opinion upon the meaning of certain words contained in the Act. The statute enacted that no person should sell by retail a substance recommended as a medicine unless he was either a qualified chemist, druggist, pharmacist or chemist possessing some other special qualification. It also provided that, upon every sale, the purchaser should be given certain prescribed particulars of the substance he was buying. There was an exemption which enabled a person who did not hold one of the special qualifications to sell a substance "recommended as a medicine" under certain conditions, one of which was that the sale must be made under a proprietary designation. The two phrases "substance recommended as a medicine" and "substance sold under a proprietary designation" were the phrases the meaning of which they asked his Lordship to tell them. There was in the statute a definition of each of them, but it had not gone far enough to remove the difference of opinion between the parties as to what the terms meant. The point was of importance because the words materially affected a considerable volume of business carried on by a large number of persons in the sale of many commodities. It affected the right of the village grocer to sell sixpennyworth of castor oil in a place where there was no chemist's shop within a considerable distance. The contention of the defendant Society would have the effect of putting an

end to a class of trading which had been going on for a long time and which, under the passing of the 1941 Act, was certainly not thought to be unlawful. Plaintiffs carried on business in the sale of various drugs and medicines by retail and they did not enjoy one of the special qualifications which would entitle them to sell "substances recommended as medicines." They also carried on a large wholesale business in the distribution of drugs and medicines to customers who included not only qualified chemists but also unqualified traders. Plaintiffs were also members of the Association of Wholesale Druggists, with whom the defendant Society had been in negotiation. Their managing director (Colon Wren), who was a qualified chemist himself, was a member of the defendant Society and of the Chemical Society. He was also the secretary of the Association of Wholesale Druggists.

The Real Issue

The real point, continued counsel, was that plaintiffs contended the Act did not prevent the sale by an unqualified trader of a medicine if he did not use any words which would lead the purchaser to take the medicine for some ailment from which he might be suffering; whereas the defendant Society said that, if the vendor used words which were sufficient to convey to the purchaser the fact that he was buying a medicine, that was a recommendation of the substance as a medicine. The summons asked whether certain specified substances when sold in a wrapper or container labelled as described were substances "recommended as a medicine" and whether the substance known as "all fours" chest and lung mixture manufactured by certain specified firms was in any, and if so in what circumstances sold under a proprietary designation when sold in bottles labelled as described. The substances referred to in the summons were senna pods, fluid extract of cascara sagrada, lemon and squill linctus, compound rhubarb pills, effervescent powders and "all fours" chest and lung mixture. The question, added counsel, was whether the placing of a label on a substance was recommending that substance as a medicine.

MR. JUSTICE WYNN-PARRY: In other words, is the name the recommendation?

Dosage a Recommendation?

Counsel agreed, and said there was also a question whether, if a substance was sold with a statement of the dosage, that was telling the customer that the article was a medicine and was a "recommendation" within the meaning of the statute. The real question was this: Did Parliament intend to forbid unqualified persons from selling medicines or did it merely intend to forbid unqualified persons from recommending medicines? His contention was that there was no objection to the ordinary member of the public buying as he had always done, through the ordinary channel of distribution, some simple drug or medicine which he thought might do him good. Parliament had no objection to the ordinary member of the public going to his grocer for castor oil. What Parliament objected to was a man going to an unqualified person and saying to him: "I have a pain in my stomach. Can you recommend something which would be good for it?" It was clear Parliament intended to prevent an unqualified person from inducing a customer to select one medicine rather than another. On the other hand, the respondents' contention was that Parliament intended to prevent an unqualified man from selling medicines at all.

MR. BLANCO WHITE said that it was clear that, under the Act, substances recommended as a medicine must have their formula upon them. The object of section 1 was that substances recommended as a medicine could be sold solely by a qualified person unless they came within the category of proprietary medicines, in which case there was the name of the proprietor to be relied upon. A village shop could not sell a substance recommended as a medicine unless it was a proprietary medicine. Such a shop could not sell aperient pills, which must be sold by qualified persons, but it could sell Beechams pills, which were sold under a proprietary designation.

The sale of medicines by skilled persons, unless they were proprietary medicines where there was protection of the proprietor, was in accordance with the trend of modern legislation.

MR. JUSTICE WYNN PARRY: It is part of our argument that the appearance of directions as to dosage amount to a "recommendation" of a medicine?

MR. BLANCO WHITE: Yes. It is calculated to lead to its use as a medicine.

Counsel continued that "all fours" chest and lung mixture was popular in the

North of England. "It used to be sold in packets containing the four ingredients which the housewife boiled together, thus making the mixture." The ingredients, which included paregoric, could not now be obtained except through qualified chemists and the formula had now been changed. It was a widely distributed preparation made by three manufacturers, Stotherts, Ltd., Waterhouse & Co., and Pritchards, Ltd., but had not a proprietary designation.

MR. GLYNN JONES, in reply, argued that if articles were sold under a label which contained words indicating that the goods were those of a particular person or firm, then there was a sale under a proprietary designation. What the 1941 Act was doing was to ensure that the chemist or grocer should have roughly the same share in the valuable commercial and trading interests which they enjoyed under the Medicines Stamp Acts. A substance was not "recommended as a medicine" unless words were used which were calculated to lead persons to take it for the prevention or relief of some ailment or group of ailments. Counsel admitted that a grocer could sell Beechams pills but not aperient pills. By selling aperient pills he would be telling the purpose of the pills. The words rhubarb pills, on the other hand, told the customer no more than did the words senna pods. The words were not calculated to lead anyone to take the pills or pods unless he had already made up his mind to take them.

MR. JUSTICE WYNN PARRY: This is a matter of considerable difficulty and of considerable importance. In these circumstances I shall take a little time to put my judgment in form.

IN THE COURTS

Pharmacist's Car Stolen.—At Southport magistrate's court on October 22, Thomas Mawdsley, a lorry driver, Ormskirk, pleaded guilty to taking and driving away without the owner's consent, a car belonging to Mr. Leslie Rushton, managing director of Rush-ton, Ltd., chemists, Southport. He was sentenced to two months' imprisonment.

"Obstruction" at Pentonville.—Mrs. Violet van der Elst, manufacturing chemist, was fined £2 at Clerkenwell court on October 16 on a charge of obstructing the highway at Caledonian Road, London, N. It was stated in court that she halted her car about fifty yards from the entrance to Pentonville prison, and threw a number of handbills among the crowd, whom she began to address.

CHEMICAL MANUFACTURERS' ANNUAL MEETING

THE annual meeting of the Association of British Chemical Manufacturers was held in London recently. THE CHAIRMAN (Mr. L. P. O'Brien), in presenting the report, paid tribute to the late Dr. Edward Frankland Armstrong, who for many years played a leading part in the affairs of the Association.

Mr. O'Brien said, *inter alia*, that the annual report disclosed a steady growth in membership and increased virility which progressively fulfilled the objects for which the Association was established. It had been a particularly active and difficult year. A great volume of work had received the attention of the director, the joint managers, and other members of the staff who had given loyal and devoted service.

Last year, said Mr. O'Brien, his predecessor, Dr. Isherwood, referred to the need for the rapid rehabilitation and development of British chemical industries. Manufacturers justly took pride in what had been a truly remarkable achievement since VJ-day. Not only had they met the requirements of the home industries for their chemical products, but had also increased their direct exports.

As regards personnel, the position had gradually eased with the return of men from the Services. For several years there was the prospect of shortage of recruits to their scientific and technical staffs, such as chemists, engineers, chemical engineers and draughtsmen. In this connexion they had been glad to note that both the immediate and the long-term problems of education and specialised training were receiving attention.

Slow Progress in Reparations

They had hoped that plant and other equipment obtained as reparations from Germany would have become available to assist them early this year and some of them had counted on this, knowing the herculean task confronting the British chemical plant manufacturers, in trying to meet home and export demands for their productions. They were disappointed with the slow progress that was being made with reparations. The export programme visualised as necessary by the Government to enable them to balance their imports postulated an overall increase of 75 per cent. by volume as compared with 1938. Allowing for the rise in prices since then, the chemical industry was well on the way to achieving this target in its own field. However, many people

wondered whether it would be possible with the manpower likely to be available exporting industries, to produce the requisite volume of output. In the circumstances they must concentrate more than ever on improving their methods of manufacture and the design of plants, with the object of obtaining more and better quality products for the same or less man-hours than formerly. Unfortunately, there were many cases where manual effort was not expended to the standards achieved in previous years. The restoration and maintenance of reasonable standards of output per man-hour was essential. The united efforts of employers and employed should be directed towards increased production per man-hour and, if the total hours worked per week were reduced, the greater must be the relative rate in increase per production hour.

German Chemical Industry

Every effort had been made by the Association to accelerate the dispatch of investigating teams to study German chemical production and the publication of the subsequent reports. Delays there had been but few of them could be attributed to their industry. The machine was now working well and shortly they would have excellent technical reports on all aspects of German chemical manufacture. Before VJ-day the Association had submitted to the Government a carefully considered memorandum on the post-war treatment of the German chemical industry, and when the Control Commission was constituted the A.B.C.M. had set up, at its request, an advisory panel to assist it in its difficult task. This panel had never once been consulted and one could only guess at what had happened to the memorandum. Experience of the last two wars had proved the Germany's chemical industry was her greatest asset in her peace-time economy and in her war potential. This was derived not so much from the plant and equipment which the industry possessed, and which could be turned to many war-time uses, as from the large army of skilled scientific and technical staff which the industry supported and which had enabled Germany to develop domestic sources of supply for material previously obtainable only from outside sources and to invent and manufacture new types of munition of war. It was hoped that, in the interests of future world peace, the German chemical industry and its

N.H.S. DISCUSSED AT BRADFORD

MR. J. W. TRISTRAM, M.P.S. (a member of the Pharmaceutical Society's Council), addressed the Bradford Branch of the Society recently on the National Health Services Bill and other matters of pharmaceutical interest. The support for the N.P.U. Business Purchase and Guarantee Fund to help private chemists returning from the Forces or Government work to acquire businesses against competition of the multiple and co-operative undertakings had shown chemists to be full of confidence in their future as a craft, and it had been astonishing to note how large a proportion of the money had come from chemists who could not themselves expect to benefit from the scheme. Over a hundred transfers had been negotiated and businesses had been kept in private hands.

In answer to questions, MR. TRISTRAM agreed that conditions under the N.H.S. would tend to reduce counter prescribing, counter sales in drugs, and sales of proprietaries, but there would be a considerable increase in dispensing in chemists' shops, irrespective of what the health centres might do, because the public liked the attractiveness of the chemist's shop and would like to take the prescriptions there. In cases where the prescription was given by the doctor at the patient's home the local chemist would usually be nearer than the fewer health centres, and would tend to get the dispensing; but it was probably true that the nearer a chemist was to the health centre the better for himself, because he would then tend to get a good share of the centre's prescriptions which would otherwise all go to the chemist inside the centre.

In answer to a question about a suggested trade union for pharmacy, MR. TRISTRAM felt it would be redundant and would tend to confuse the position rather than improve it. Further, he felt a large proportion of pharmacy employees did not intend to spend their lives as employees, and were not particularly interested in an employees' organisation.

In reply to a question if there was any chance of a fund being set up to assist the smaller pharmacies in bringing their equipment into line with that of the multiples and the health centres, MR. TRISTRAM said that he felt that there would be little need for such assistance, and that the increase in dispensing would come gradually, and would give pharmacists time to equip themselves for this development.

medical staff would be vigorously cured. Unfortunately, this vital necessity apparently not appreciated by the tripartite commission which settled the deal of German industry. As a result we that Germany was being allowed to in the bulk of her chemical capacity. had not been limited to her domestic needs but had been permitted substantial exports in the important fields of dyestuffs and pharmaceuticals. He saw again the possibility of the re-establishment of the dangerous organisation which had gained so much power in the world in the years before 1914. Since the announcement of the levels to be allowed to German industry, pressure had been brought to bear on the Government to provide means for full consultation with industry regarding the difficult problems of controlling German production and exports in accordance with the Control Commission's broad policy. They were now advised that means of consultation could be provided through the Government department responsible for the different British industries, and as a beginning they were expecting that a small mission, consisting of dyemakers and colour users, would shortly proceed to Germany to discuss problems relating to the dyestuffs industry in the British zone. In concluding, the chairman referred to the forthcoming industrial trade negotiations for the reduction of trade barriers. This, he said, was of vital importance to the nation and Empire. The Association's views were now being formulated and they would keep the closest watch on the proceedings to ensure, as far as possible, that nothing was done which would be detrimental to the industry.

Council Members

The constitution of the Council of the Association for the ensuing year will be as follows: *President*, Mr. C. F. Merriam; *Vice-presidents*, Dr. F. H. Carr, Mr. R. H.uncalfe, Dr. E. V. Evans, Mr. C. A. Hill, Mr. P. C. C. Isherwood and Mr. R. G. Perry. *Elected members*: *Chairman*, Mr. J. P. O'Brien; *Vice-chairman*, Sir F. W. Bain; *Honorary treasurer*, Mr. C. E. Carey; *Council*, Dr. A. E. Everest, Messrs. T. R. G. Bennett, A. D. Daysh, C. G. Hayman, J. E. Howard and W. M. Inman, Sir Harry Jephcott and Messrs. W. F. Lutyens, J. D. Morson, D. J. W. Orr, F. G. Pentecost, K. H. Wilson and H. Yeoman. *Co-opted members*: Messrs. F. C. O. Shaw and P. Spence, Lord Trent and Mr. S. W. Whiffen.

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A Loose-leaf Pharmacopœia?

The Medical Act of 1858 lays down that the General Medical Council "shall cause to be published under their direction a book . . . to be called 'The British Pharmacopœia'"; and "shall cause to be printed, amended and republished such Pharmacopœia as often as they shall deem necessary." The pace of pharmaceutical progress has increased enormously since 1858, and the pharmacist of today, complying with the 1932 Pharmacopœia and numerous Addenda, might well exclaim: By all the Dodos! these are thoughts of weight,

Most venerable, wise, and out of date. I will read with interest the suggestion of Mr. Peter Hey, Ph.C., (see p. 550) that a Pharmacopœia should be published in loose-leaf form. Subscribers to such a Pharmacopœia would, presumably, receive the original loose-leaf "book" in some kind of justifiable binder. Amended monographs and additional monographs would then be circulated automatically as frequently as necessary to keep pace with changes and advances in pharmaceutical knowledge, and each subscriber would have in his possession constantly up-to-date pharmacopœia.

The suggestion has, certainly, numerous objections, and the costly administrative machinery which it would involve might well prove worth while. Apart, however, from the cost, and the legal point of whether a loose-leaf volume would constitute a "Book" within the meaning of the Act, consideration of the circumstances in

which a pharmacopœia has to be used by the practical pharmacist suggests a number of drawbacks. The 1932 Pharmacopœia was a substantially bound volume, yet most copies which have been in regular use show, by now, distinct signs of wear and tear. How long would it be before a loose-leaf volume heralded the autumn of so vigorous a life by a display of falling leaves? And how, in practice, would the apparently simple routine of removing redundant matter and inserting new matter work out? In large establishments, perhaps, all might go smoothly; but for the average pharmacist, harassed enough already by the multiplicity of jobs to be fitted in to the jig-saw of his day's work, it might prove not so simple. If but one wrong page were inadvertently thrown away with redundant matter; if but one new page failed, in the rush of things, to be inserted, the pharmacopœia would cease to be a complete book of standards. Nor would there be any easy way of detecting such errors. The problem of keeping the British Pharmacopœia up-to-date is a serious one, but until effective safeguards against such weaknesses can be devised, it will not be solved by loose-leaf methods.

China Trade

SINCE the far-off days when Chinese rhubarb was bartered by the Phœnicians for Cornish tin, the British people have been bound by ties of commerce with the countries of the Far East, and in particular, with China. Now that the Chinese people are recovering from a long and bitter war, they look once more towards Britain, not only as a supplier of manufactured goods, but as a market for the large variety of raw materials which China produces. It is usual to regard 1936, the year before Japan became involved in the "China incident," as the last normal year which can be used for a comparison of trade returns, although in some respects that year was exceptional in that a peaceful administration and financial reforms coincided with bumper harvests. Chemicals and medicines occur high in the list of Chinese imports; indeed today they are second only in importance to cotton. In 1936, the import figures (excluding cotton goods) were encouraging from the point of view of British Empire trade, but as far as pharmaceutical products were concerned,

the United Kingdom was third in importance as a source of China's supplies. The figures (in thousands of Customs gold units) are as follows: Germany, 9,205; Japan, 4,809; United Kingdom, 3,388; United States, 1,737. The prospects for British trade with China have been enhanced by the temporary removal as serious competitors of Germany and Japan. On the other hand it is probable that the United States, as the major controlling power in the Far East, will acquire a larger proportion of the Chinese market than heretofore. The British Trade Mission now in China is well equipped to represent the British point of view. A substantial number of important raw materials of interest to the drug trade have their origin in China. Markets bereft of these articles for many years are hungry for supplies, but at the present time the prices asked by shippers are inordinately high. It is to be hoped, however, that as trade becomes re-established, more economic rates will be quoted. Chinese drugs of exceptional importance include menthol and rhubarb; but the source is also able to supply adequate quantities of ephedra, star anise oil, camphor, cantharides, musk and cassia bark. China's most important export—bristles—is not without interest to the drug trade.

Etymology of a Trade Mark

By admitting to the Register of Trade Marks the word or polyglyph "Oomphies" (not in one of the usual drug-trade classes), Mr. Justice Evershed has reversed, in the High Court of Justice, an earlier decision of the Registrar General. An appeal against the Registrar's rejection was brought by the American company which desired to have the mark registered. Under the Trade Marks legislation the Registrar is empowered to refuse to register a word which has direct reference to the character or quality of the goods. It is also, as Mr. Justice Evershed pointed out, the Registrar's duty "to consider the susceptibility of people who might be regarded as old-fashioned."

The question had first to be decided, therefore, whether Oomphies was a word having direct reference to character or quality in the appropriate class. Was it even a word? The Judge's decision was

that in speaking of "Oomphies" as a word he was paying it a compliment, for it bare deserved an appellation which made it part of articulate speech, "which was said to be the only distinguishing feature between the human race and beasts." On the second point, evidence had been put forward that "Oomph" meant "allure," and Counsel for the Registrar maintained that Oomph was not an inventive word, and the addition of the letters -ies, did not make it one. The Judge's ruling was that to reject it on the ground that it had the meaning of, or reference to, sex appeal, was not justified. It therefore allowed the appeal, and the word Oomphies now appears, with full sanction in the vocabulary of Trade Marks.

Chemists as Opticians

THE chemist-optician has been the subject of a recent discussion in the correspondence columns of the "Optician." The discussion arose, in the first place, from some point of optical politics into which we do not propose to delve. It developed, however, into debate on the relative merits of the optician and the chemist-optician which provoked some interesting remarks. One letter suggests that the chemist-optician who devotes himself solely to the practice of one of these professions will give better service than one who attempts to do justice to both. Another correspondent inclines to the same view by grants that the chemist-optician may fulfil a useful function in communities too small to require the services of both a full-time chemist and a full-time optician. A chemist-optician joins the fray to urge the purists to concentrate their attacks, not against the chemist-opticians, but against the jeweller-opticians, the camera-opticians, the barometer-opticians, the open-counter-test-you-yourself-opticians, and door-to-door canvasser-opticians. Another even suggests that the pharmacist is the ideal optical practitioner as he is "philosopher and friend to millions of people who go to him for advice on most things." Sir Roger de Coverley would, no doubt, have nodded wisely and decided that there was "much to be said on both sides." So long as the pharmaceutical and the optical needs of the public are satisfactorily met, it matters little, perhaps, whether the pharmacist is, on occasion, the same person as the optician.

HISTORY OF ANÆSTHESIA EXHIBITION

exhibition on the history of anæsthesia at the Wellcome Historical Medical Museum, Euston Road, London, N.W.1, opened by Lady Moran recently (picture, 557), was designed to celebrate the centenary of the first use of anæsthesia in surgery by W. T. G. Morton, at Boston, Massachusetts, U.S.A., on October 16, 1846. The exhibition, which is open to the public, traces the development of anæsthesia from attempts in early civilisations to modern practices, and contains a wealth of old manuscripts, original volumes, æsthetic apparatus, reconstructions, models, and other exhibits.

Some degree of anæsthesia was obtained by the Assyrians and the Egyptians by applying pressure on the carotic arteries, or inhaling vapours from Indian hemp, but perhaps, of the early drugs, by far the most widely used was mandragora or mandrake, but which much was written by the physician Dioscorides in the first century. A cartoon painted in a manuscript herbal book in 1519, and shown in the exhibition, illustrates the legend that mandrake, when rooted, shrieked, and the uprooter fell dead. A dog is shown tied to the plant for the purpose of uprooting. Other examples of early surgery shown include woven bags containing coca, used by Peruvian Indians for producing local anæsthesia, and a curved knife used for Cæsarean operations on patients stupefied under the action of a narcotic beverage.

Inhalation Anæsthesia

Among the most interesting features at the exhibition are the first volumes of Sir Humphry Davy, Priestley, Beddoes and Watt, because it was these, among others, that paved the way for inhalation anæsthesia—in fact, Humphry Davy and Priestley (who had both noticed the pain-relieving effects of nitrous oxide), threw out hints to surgeons some forty years before the principles were put into practice. The works of John Scoffern (a surgeon and hospital chemist) on the intoxicating effect of nitrous oxide, and of H. H. Hickman on "suspended animation," in which he describes operations on animals anæsthetised with carbon dioxide, are represented.

The introduction of inhalation anæsthesia in the United States arose out of "Ether Frolics" (i.e., experiencing the effect of a few sniffs of ether or nitrous oxide) which had become a fashionable parlor game. Horace Wells, a dentist, of

Hartford, Connecticut, saw the significance of using this effect to extract teeth painlessly and arranged a demonstration in Boston in December 1844. Owing to his own mishandling, this was a failure, and ended in ridicule. Wells' partner, W. T. G. Morton, experimented further, however, and persuaded J. C. Warren (surgeon to the Massachusetts General Hospital) to conduct an operation there under ether anæsthesia. He also took steps to patent the process. On October 16, 1846, the day of the operation, Morton rushed into the operating theatre, late and breathless, after last-minute improvements to the inhalation apparatus. Warren successfully conducted the operation (removal of a neck tumour), and at the end addressed the spectators, "Gentlemen, this is no humbug." Morton, who was not a scientist, was determined to make a fortune out of ether, and at first coloured the liquid and called it a "compound." Later he disclosed that it was ether, and almost immediately applied for a patent, but was faced by counter claims. Records of the legal proceedings which ensued, as well as the first printed accounts of the operation, are shown in one of the exhibition's cases.

First Use in Britain

The first operation under anæsthetic conducted in Britain is usually stated to have been carried out by Liston at University College Hospital, London, on December 21, 1846, but Underwood has suggested ("British Medical Journal," October 12, p. 530, and October 26, pp. 621-22) that ether was probably used earlier than this in Dumfries. A replica of the operating table which Liston used on that occasion shows strap-holes utilised (at least, in pre-anæsthetic days) for holding the patient down. Amongst other aspects of the history of anæsthesia portrayed in the exhibition are Simpson's use of ether in childbirth in 1847 (the child was called Anæsthesia); his first use of chloroform; the religious controversy over painless childbirth; the work of Snow (the first professional anæsthetist); and an indication, if only by photographs, of the present advanced technique.

To bring the exhibition, perhaps, up to the present day, a showcase dealing with old records of anæsthetic drugs, contains a copy of R. Hakluyt's "Voyages" (1600) open at the page in which Sir Walter Raleigh gives the first description of curare, a drug which he had found in Guiana.

ANNUAL MEETING IN DUBLIN

THERE was a large attendance at the seventy-first annual meeting of the Pharmaceutical Society of Ireland held in Dublin on October 7. THE PRESIDENT (Mr. J. K. Whelehan), who was in the chair, opened the proceedings by reading the scrutineers' report on the ballot for the Council election (see *C. & D.*, October 12, p. 451).

Membership Statistics

THE PRESIDENT said that preliminary registration in the year 1945-46 showed an increase of forty-one on the 1944-45 figure, and stood at 217. The number of pharmaceutical chemists had further increased by forty on the 1944-45 figures. Membership of the Society was 820, an increase of thirty-seven, but the president noted that the great majority of young qualified men did not aspire to membership until they were about to launch into independent practice. The figure for chemists and druggists had remained static for 1945-46. Registered druggists, at 419, showed a decrease of two. Of the 419, seventy-three had qualified as pharmaceutical chemists, and 116 as pharmaceutical chemists in Northern Ireland, leaving a net figure of 230 registered druggists. Qualified assistants at 444 showed a decrease of two. The figure of 444 did not include those since qualified as pharmaceutical chemists. Associate druggists showed a welcome increase of seventeen on the previous year's figure of twenty-seven. The percentage of students passing the examination compared favourably with previous years, but was still, in the opinion of the Council, rather low against results in other professional examinations. During the year Professor Alfred O'Rahilly (vice-chancellor, the National University of Ireland) had been appointed educational consultant to the Society, and an Educational Advisory Council comprising the Society's examiners and lecturers had been set up. The Council felt that the present educational system was antiquated, and the schools unable to catch up with the modern trend of discoveries, especially in the field of chemistry and biochemistry. He hoped that the institution of the advisory council would enable the Council to avail itself of the expert educational advice offered, and correlate it to the field of practical pharmaceuticals. A wider knowledge of chemistry and biology was now essential to graduates. The Council welcomed the institution of the pre-registration examination, ensuring as it did, that

all entrants to pharmacy would have sound basic knowledge of chemistry and physics. It was expected that the intake of apprentices would show a marked increase in the 1946-47 period. The Council was satisfied, however, that the decline would rectify itself in three to five years, the secondary schools adjusted the matriculating and leaving-certificates syllabus to the new requirements. It was estimated also that the pre-registration requirement would ultimately diminish the average period between the initial registration of student and his final registration as a pharmaceutical chemist.

The Council had suffered grievously the loss of Sir Thomas Robinson and Mr. W. G. Cunningham. Both had given their best in the service of pharmacy. Their positions on the Council had been filled by Messrs. Frank Loughman, T.D., and John Blair.

The President was perturbed that the majority of graduates were unable, would be unable if in practice, to exist free from their professional services. The question of fees was, he said, one which should come within the ambit of the Society's interests.

Health Bill Discussions

During the year a committee of the Council had examined the proposed Health Bill, and a deputation of the Council, with representatives of the Irish Drug Association, had interviewed the Parliamentary Secretary, who had amplified the section concerned and given verbal guarantees on points affecting pharmacy. He had further expressed his willingness to receive representatives of the Society on any further points of difficulty which might arise in the operation of the Act. The Council would closely watch the operation of the provisions of the Act as they affected pharmacy.

Representatives of the Council had set up, in conjunction with the Irish Medical Veterinary Association, a joint committee to create, eventually, conditions which would permit all veterinary prescriptions to be dispensed by pharmaceutical chemists. The immediate objective was the removal of restrictions in the supply to chemists of certain ethical veterinary preparations. He hoped that this committee, whose inauguration was largely due to Mr. Cahill, would be a permanent body to preserve liaison between the two professions. The Council was determined to take steps to prevent, s

as possible, any unilateral distribution policy for ethical veterinary products. The issue of licences by local bodies, under the 1908 Act, was still unsatisfactory. Danger existed in such wide facilities for distribution of arsenical and other poisons by persons completely untrained in their handling, storage, chemical composition and dangerous potentialities. Steps should be taken by the Society to bring this matter to the appropriate Minister's personal notice.

Spending in Public Institutions

The primary functions of the Society, to ensure that the provisions of the Pharmacy Act were carried out fully and meticulously, had been efficiently discharged. The position of public institutions, however, was, from the Society's and the public's point of view, highly unsatisfactory. Most public institutions were without the services of pharmaceutical chemists. The State should be morally obliged to employ qualified men in such departments. The Society, as the statutory body responsible to the Minister for the administration of the Pharmacy Acts, could not express itself as being completely happy about the observance of the Acts in public institutions. The Society could lay it down, as a first principle of courtesy, that representatives calling on members and licentiates of the Society should possess the qualifications of the Society, and all wholesale firms in possession of dangerous drugs, vaccines and sera should, in their own interest, employ a graduate of the Society.

Makers of preparations in tablet form, said the president, should refrain from stamping on such tablets their registered name. This created a dangerous tendency to self-medication among the lay public. Articles in popular periodicals about new and highly complex drugs, some of which were only in the advanced stages of clinical trial, were not always advisable. Full particulars of the dosage of all ethical preparations should be passed to the chemist, who was trained in the detection of overdoses.

New Premises Needed

For some years the Council had become increasingly aware of the urgent need for new premises. The schools were overcrowded and the present premises did not provide the necessary space for work, or for playing fields and an assembly hall for the students. Finding new premises was a pressing but difficult problem and the cost of moving at present was prohibitive. The

ideal would be to plan architecturally, with a view to the accommodation required. Representatives of the Council had inspected prospective sites and houses for sale. It would be necessary to start at once with plans, estimates and costs. Building a college and suitable offices would be a costly matter, but some aid might be expected from the government. The Society was the only statutory body which had, from its foundation, existed entirely without the financial aid of the central government.

Prominent public men whom he had met during his year of office had always registered surprise when told of the scope of the Society and its place in the nation's educational, cultural and professional life. Responsibility for this must be placed at the feet of the god of pharmaceutical modesty. Those in high places must be made aware of our great and gratuitous contributions to the public need.

The president expressed the thanks of the entire Society to the gallant band who, year after year, had organised pharmacy's premier social function, the Benevolent Fund Dance, making it possible for the Council to build up a substantial fund and meet all current claims. He thanked the members of the Council for their very hard work and for their great and abiding understanding of the chair's shortcomings.

Tribute to Registrar

Thanking the registrar for his anxiety to carry out instructions sympathetically and to interpret policy as laid down by the Council, the president apologised for the extra work caused by having a president who was not resident in Dublin. In three or four years the registrar would have reached his seventieth year and the Society should not allow him to grow to hoary old age among the musty files of Mount Street. His loss to the Society would be irreparable. Consideration should be given in the not too distant future to the provision of a liberal superannuation allowance estimated on a basis of merit and worth rather than on length of service. To the college professors, the examiners, and the Government visitor, he registered his appreciation for their great courtesy and consideration, and to Miss Hyland, of the office staff, whose personal charm, tact and courtesy, have been valuable aids to his morale.

MR. C. COLLIS moved the adoption of the president's report and congratulated him on his suggestion for the provision of a pension for the registrar. MR. D. J.

NUGENT, seconding, paid tribute to the president for the generous way in which he made himself available on all occasions. It was a good thing to teach students something about biochemistry, but they could go too far. To have dropped their own preliminary examination was the biggest mistake the Society ever made; it was a means of controlling entry into the profession. He welcomed the setting up of a committee with the veterinary surgeons, and hoped they would send their prescriptions to the chemists. The Society should have the right to send an inspector into public hospitals and institutions. It was a scandal that medicines and poisons were being dispensed by unqualified people.

MR. E. MACMAHON congratulated the president on his address. He did not agree that they could go too far in education. When the Society secured larger premises he hoped they would consider holding post-graduate courses in all the modern remedies. The president's report was adopted.

Treasurer's Report

MR. P. C. CAHILL (treasurer) then presented his report. The most noticeable feature of the year's accounts was the amount of surplus available. After depreciating the premises by an additional £500, the Society had ended the year with a surplus of almost £700, a pleasant surprise. Increased expenditure in almost every department had been more than offset by an income which constituted a record in the financial history of the Society. Membership subscriptions at £1,304 show an increase of £36 over the previous year. About 80 per cent. of the practising pharmacists in Eire were members, so little increased income could be expected from non-members. The increase in the number of apprentices had resulted in a revenue of £936, an increase of £168. The new pre-registration regulations would cause a marked fall in this item of revenue for some years. More students had taken the licence and assistants' examination, bringing in a net revenue of £548 as against £413 the previous year. Net income from the schools was down by £20, owing to increased running expenses. Registration fees at £847 were up £65, indicating a small increase in the number qualifying. Increased investments had resulted in an increase of income of £31. The total income was £4,287, compared with £3,870 in the previous year.

Every item of expenditure showed an increase, but not as much as had been expected. Total expenditure amounted to

£3,607, an increase of approximately £2,000 on the previous year. The book value of the premises, now being £1,688, at which figure it was proposed to retain the premises. Twelve months ago the capital account stood at approximately £12,000 and the surplus for the year gave the Society a capital credit of £12,700. In more than seventy years of its existence the Society has incurred relatively little capital expenditure, and its capital assets could not be described as out of proportion. It was necessary to safeguard against possible losses and to provide for possible alternative accommodation in the future. The purchase and equipment of suitable premises would, on the basis of present values, more than absorb the total assets. The result of the past year would not justify the recommendation of an increased membership fee, but the possibility should be borne in mind.

The Revenue authorities maintained that the Society was liable for tax on registration and examination fees. The matter had been at issue for almost nine years, but a definite decision was hoped for in the next twelve months. The treasurer was informed that, should the appeal be completely rejected, the Society's full liability would not exceed £600. The auditors had commented on the excellent manner in which the Society's financial records were kept and tribute to Mr. Kerr and to Miss Hyland.

MR. G. H. BATT proposed the adoption of the treasurer's report, Mr. T. R. BOURKE seconding. The report was adopted.

Public Health Bill

MR. SEAMUS MURPHY criticised the Society for sending a deputation to the Parliamentary Secretary on the Public Health Bill. It was wrong for the Council to devote its time to the discussion of matters which should be dealt with by the national pharmaceutical union, if there were such a body in Eire. It was wrong for the Society to attack a measure brought in for the benefit of the people. Mr. McKANE refuted the suggestion that he had made any attack on the Government in connexion with the Public Health Bill. He had seen in the Bill possible damage to the profession. He made no apology for taking action. He would criticise any Government that injured the profession. Mr. O'ROURKE did not agree that the Society had no right to take up the matter of the Public Health Bill. Apart from the fact that the Bill affected their rights as chemists, they had also to protect their rights as citizens. The

went too far, and there was a tendency for governments to encroach on the liberty of the subject. MR. MCKANE pointed out that the Bill would make it necessary for a chemist to have a licence to make up any of his own preparations. THE PRESIDENT said that the Society had the right to object after the prerogatives of its members. MR. F. LOUGHMAN, T.D., said there was a real alarm amongst chemists over the provisions of the Bill. There was no intention to interfere with the chemist making up his own hair tonic, headache powder or similar preparations. The intention was to deal with preparations that were worthless. The Minister had made this clear, and indicated that he was concerned about the heavily advertised articles in general. The Bill was to provide for the benefit of the people and did not take away from the chemist any rights he had and would give the chemist an improved status.

Deputation to Minister

MR. CAHILL said there was nothing in the Bill to be feared, but the regulations laid down under it might be a different matter. Representatives of the Council had gone to the Irish Drug Association to see the Minister so that pharmacy might speak with a united voice. The deputation had been met with an excellent reception. MR. F. X. O'NEAGHER denied that the Council had involved itself in any way in party politics. No concession or advantages the Society had obtained in the past were due entirely to action similar to the action taken in this case. The Minister would have been surprised if the Society had taken no interest, and the Minister's shock would have been nothing to the recriminations from the Society's eight hundred members. MR. MCKANE criticised the Bill because pharmacists had no representation on the Advisory Council dealing with the control and restriction of patent medicines. The position seemed to be that medical men would determine whether these patents were good for the public or not. There would be control, but there should be some representation from pharmacy. He did not see why any pharmacist should require a licence to make up his own preparations. THE PRESIDENT said it was good for members to be able to speak their minds. He felt the Society must do something for the training of people who were going to qualify twenty or twenty-five years ahead. The Council would not be discharging its duty if it did not put its views on the Health Bill before the Government. Most of the

people holding licences under the 1908 Act lived in rural areas and would not sell sheep dip to people they did not know.

Benevolent Fund Committee

MR. CAHILL then presented the report of the Benevolent Fund Committee. Despite increased expenditure the fund had improved its position by an additional £300 and now stood at almost £4,000. Total income amounted to £605. Direct subscriptions had amounted to £33, a very small contribution, half of it coming through the Golfing Society. Many members sent subscriptions to the Benevolent Fund dance committee, but not more than about 10 per cent. of the licentiates supported the fund. A grant from the trustees of Viscount Leverhulme of £50 had been very welcome. Interest and dividends on our investments amounted to £112 and sundry receipts £7. Subscriptions from the dance committee accounted for £398, almost two-thirds of the total income. About 50 grants of a varied nature, medical and hospital expenses, funeral expenses, assistance to elderly chemists with practically no other income, etc., had amounted to over £300. The existence of the fund was more justified than ever, and it had been of invaluable assistance to many unfortunate members. Largely through the efforts of the dance committee a larger number of grants had been made than in any previous year. The general position of the fund improved by no less than £300. Every member and licentiate should feel deeply grateful to Mr. Gleeson and his committee for the tremendous effort they had put into their work during the year. The benevolent fund was the Society's own charity, and the amount of help that could be given to less fortunate colleagues depended entirely on the generosity of members.

MR. T. GLEESON (chairman, Benevolent Fund dance committee) thanked the president and the treasurer for their kind references to the dance committee and to himself. The dance this year would be on December 10, and the committee would be making the annual appeal for funds. He sincerely hoped that it would not fall on deaf ears, and every member of the Society would subscribe. MR. BLAIR proposed the adoption of the report, and MR. SCOTT seconded.

MR. LOUGHMAN suggested that representatives of firms on the road might undertake to collect subscriptions for the fund from country chemists. The report was unanimously adopted.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

At the meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on October 18, those present were Messrs. McDowell, Gray, McGregor, Cowzer, Abernethy, Glendinning, Tate, Shinner, Boyd, Gamble, Connor, H. F. Moore, Dr. Acheson and Professor Mayrs.

Mr. John Warren Grey was elected *President* on the motion of Mr. C. ABERNETHY, seconded by Mr. J. E. CONNOR. Mr. John McGregor was elected *Vice-president* and Mr. H. H. Cowzer *Treasurer*.

Appointment of Committees

The following committees were appointed: *Education*: Messrs. McDowell, Tate, Irwin, Shinner, Boyd and Professor Mayrs; *Law*: Messrs. McDowell, Irwin, H. F. Moore, Shinner, Gamble and Dr. Acheson; *General Purposes*: Messrs. H. F. Moore, Abernethy, Cowzer, Nelson, Boyd and Gamble; *House*: Messrs. H. F. Moore, Irwin, Cowzer, F. R. Moore, Abernethy and McDowell. *Finance*: Messrs. Glendinning, Cowzer, McDowell, Irwin, Tate and F. R. Moore. The auditors and the solicitors were re-appointed. A committee was appointed to arrange the coming-of-age dinner on December 11.

Mr. McDOWELL welcomed the new members of the Council, Messrs. P. R. W. Shinner, W. H. Boyd and H. W. Gamble, together with Mr. Abernethy who had been re-elected. It was decided that a letter of appreciation should be sent to the retiring members, Messrs. J. T. Nicholl, S. H. Forrest, J. Donaghy, and to Mr. J. F. Grimes who had relinquished his position as a result of the reduction in the druggists' representation.

THE SECRETARY (Mr. William Gorman) said that owing to the illness of the pharmacy inspector he had been unable to discuss with him the points raised by the Ministry of Home Affairs concerning the sale of lobelia and stramonium by herbalists and the labelling of thyroid preparations. It was agreed that action should be deferred pending the consultation, several members urging that the Society should resist the application for herbalists to sell asthma and other remedies coming under the Poisons Schedule.

A letter from an employer in England was received, requesting that the Council should endorse an application for reciprocal registration in England which was being made

on behalf of an ex-Service member of the Society who had taken the modification examination in 1925. It was decided forward the correspondence to the secretary of the Pharmaceutical Society of Great Britain with a request for his remarks.

An offer from May & Baker, Ltd., to arrange a lecture in Belfast was referred to the Education Committee.

Certificates of Apprenticeship

The Education Committee minutes passed on the motion of MESSRS. ABERNETHY and GRAY, approved the grant of certificates of apprenticeship to the following: Bernard Brannigan, Maureen Breakey, Kathleen E. M. Briggs, Kenneth J. Dickson, Patrick O'D. Fox, James L. McIlroy, Joseph W. A. Shinner, Belfast Thomas McClure, Frederick Slater, Ballinacorney; Vervain A. M. Caldwell, Randalstown; John N. Deehan, William G. Coulter, Londonderry; Fiona M. Forbes Bangor; James E. Morley, Holywood; John M. Poots, Newtownards; Sydney C. Richardson, Eric N. Vogan, Armagh Margaret M. Shutt, Irvinestown; Evelyn M. Smith, Robert H. Stewart, Lurgan Samuel J. Moore, Coleraine. A certificate was also granted to an intending apprentice who had passed in the five subjects required by the Society in Northern Ireland senior leaving examination, but who had failed to obtain a certificate. The application of a further student who had passed the entrance examination of Trinity College, Dublin, was refused.

On relinquishing the chair, Mr. McDOWELL thanked members for their co-operation during his presidency, and acknowledged the assistance he had received from Mr. D. L. Kirkpatrick, who had now retired from the secretaryship, and from his successor, Mr. Gorman. Tributes to Mr. McDowell were paid by Mr. GRAY, Mr. WALTER C. TATE, Mr. J. E. CONNOR and others.

Morphine Pedlars Foiled.—Life-saving rafts included in the list of surplus goods auctioned by the United States War Assets Administration were bought up by drug pedlars, according to a "Daily Express" report, to obtain the morphine included in the equipment of each raft. Later every raft was traced, and most of the morphine recovered.

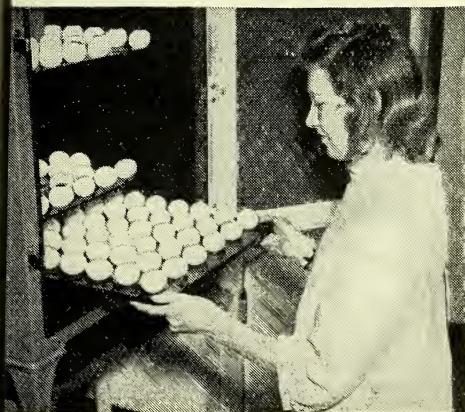
PREPARING MUMPS VACCINE



At the Walter and Eliza Hall Institute, Melbourne, Australia. The Institute is a University Research Branch and is attached to the Alfred Hospital, Melbourne. Hens' eggs (left) are used to obtain the material.



THE amount of virus in the fluid obtained from each egg is estimated (right) and where the estimate is satisfactory the fluid is used for the preparation of vaccine. The inoculated eggs are incubated for four days (below, left). After incubation, the virus-pregnated fluid is extracted (below, right).



CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Election Candidates' Thanks

SIR,—The seven undersigned wish to return their best thanks to all members of the Pharmaceutical Society of Ireland who accorded them their support in the recent Council election, and promise to do their utmost in the interests of the Society to merit the confidence reposed in them. They also wish to thank you, Mr. Editor, for the space which you so kindly placed at their disposal prior to the election.

Yours faithfully,

PHILIP A. BRADY, PATRICK C. CAHILL,
HUGH P. CORRIGAN, CORNELIUS J.
CREMEN, JOHN GLEESON, JAMES A.
O'ROURKE, TIMOTHY B. O'SULLIVAN.

Supplies in "Evacuation" Areas

SIR,—May I heartily endorse the complaint of C.S.X. in his letter "A Raw Deal" and your Editorial comment thereon. We in East and South-east coastal towns were hard-hit (in more senses than one) during the war, and the quota period chosen is now continuing to react harshly against us. The supply of photographic films is a particularly sore point, and apart from toilet goods, quotas of ordinary items are also unevenly distributed. To quote one instance, our normal buying of a well-known health salt was about fourteen gross per annum. This year we have received two-and-a-half gross only—a larger size, agreed, but still only two-and-a-half gross units; this has to supply three branch businesses. As your correspondent correctly points out, a basic period of June 1938 to May 1939 would have been much fairer. Your efforts to help us in this problem will, I feel sure, be greatly appreciated by all pharmacists in business in these unfortunate areas.

Yours faithfully,

Eastbourne.

GEORGE CHECKLEY.

"Bath and West" Personalities

SIR,—Your article by Mr. D. J. Williams and reference to Mr. J. W. Sampson's recent tour of Canada brings back happy memories of the old Bath and West of England college of pharmacy days when these two gentlemen were for a short while joint principals. Mr. J. W. Sampson's experiences in pharmacy would make interesting reading too—in fact, there were many extraordinary personalities at the Bath and West: W. A.

Poucher (now with Yardley & Co., Ltd. Hedley Clarke, 6 ft. 6 in. in his socks and very popular student; Dyer of Honiton Vic Norris of Burton-on-Trent; Rees Swansea; Griffith of Aberystwyth, and others. How nice it would be if "D.J." could arrange a reunion party at Bath for some of his old Bath and West students of the lines of the old ex-students' smoking concerts? Perhaps he and Mr. Cooper, the Merchant Venturers' Technical College Bristol, could arrange this. Included in the proceeding might be a presentation to the popular ex-principal. In my view, "D.J." would be an excellent representative on the Pharmaceutical Council, having spent a lifetime in training hundreds of would-be pharmacists "from buds to blossoms."

Yours sincerely,

"JOHNS OF BATH."

Penicillin in South Africa

SIR,—I agree with Xrayser (*C. & D.* August 24, p. 229) that penicillin is becoming more prominent with each week's issue of your news, but what can one expect? The advertisers must make up for the war years, when advertising was so restricted and when penicillin was subject to so much control that it was but a wonderful mythical drug to the average individual. I would like, however, to correct an impression that readers of the paragraph headed "Unrestricted Use of Penicillin" in *South African Notes (C. & D., August 17, p. 214)* are likely to gain, that in South Africa the wastage and the ease with which penicillin can be obtained is greater than in other countries. Penicillin, a substance whose purity or potency cannot adequately be tested by chemical means, has been included in the Schedules to the Therapeutic Substances Regulations framed under section 8 of the Medical, Dental and Pharmacy Act 1928 (Act No. 13 of 1928). In these Regulations, under the heading "Restrictions on the Sale or Supply of Therapeutic Substances," provision is made that penicillin and its preparations may only be supplied to any person on prescription signed by a medical practitioner or dentist. This restriction does not apply, however, to sale or supply between doctors, dentists and chemists and druggists themselves.

Yours faithfully,

NORMAN E. GREENWOOD, B.Sc.

Pretoria, S.A.

OVERSEAS TRADE NEWS

Zanzibar Clove Oil.—A report from the Zanzibar Clove Growers' Association states that during the week ending September 14, 528 lb. (in 92 drums) of clove oil was patched to the United Kingdom.

Swiss-Danish Trade Agreement.—A supplementary trade agreement between Denmark and Switzerland, valid until the end of this year, was concluded recently. It involves exchange of goods worth Kr. 1,000,000 (about £925,000) on both sides.

Brazilian Essential Oils.—Upwards of 10 tons of essential oils were shipped from Santos during July, with total exports for the first seven months of this year amounting to 911,666 kilos, states a recent Rio de Janeiro report.

Dutch-Spanish Trade Pact.—Among other products which Holland will receive from Spain, under a new agreement signed recently, are antimony, mercury and cork. Chemicals and dyestuffs are included in the products which Holland will send to Spain.

Italian Mercury Offered in New York.—3,000 flasks of Italian mercury are reported to have been offered in New York recently at approximately \$83.50 per flask, compared with the domestic price currently quoted of \$96 to \$99 for spot delivery.

U.S. Decontrols Cosmetic Prices.—The U.S. Office of Price Administration has decontrolled the prices of a long list of items, including all cosmetics, imported and domestic vegetable tanning extracts and germ oil.

Belgium Frees More Import Goods.—An announcement in the "Board of Trade Journal" of October 26 (p. 1494) gives a further list of goods which are no longer subject to import licences on importation into Belgium. It includes many items of interest to the drug and chemical trades.

Castorseed Trading in Bombay.—Forward trading in castorseed, which was suspended in 1943, has now commenced for May delivery, states a Bombay report. The opening quotation was Rs. 115.4 per candy of 560 lb., and after touching Rs. 119.4, closed at Rs. 117.15.

U.S. Removes Restrictions.—All restrictions on the usage of fats and oils in the United States have been removed by the Department of Agriculture, states a Washington report. Restrictions on imports and exports, however, will continue.

U.S. Decontrols Non-edible Oils.—The U.S. Office of Price Administration has decontrolled (with immediate effect) the prices of No. 1 and No. 3 castor oils, rape-seed oil, grape-seed oil, olive oil, sesame-seed oil, sunflower-seed oil, sorghum grain oil, tea-seed oil, safflower oil, castor beans and rice-bran oil. The O.P.A. has not indicated when coconut oil, tung oil and linseed oil will be decontrolled.

Indian Vegetable Oils.—A scheme for expanding Indian vegetable oil production by 110 per cent. before 1960 has been described in a report issued by the Subcommittee of the Vegetable Oil and Vegetable Products Industry, states a Bombay report. The Bombay Presidency, which produces a major proportion of all-India output, will require 650,000 tons of vegetable oil by 1960; 445,000 tons for local edible consumption, 65,000 for industrial uses, 115,000 for internal export in the form of oil and vegetable product and 25,000 tons for external exports. It proposes an extension of acreage under oilseed to 10.6 million, increase in yield per acre to be effected by the application of improved methods of cultivation, and the tapping of previously unexploited sources. Reconstruction is largely dependent on mechanical re-equipment of the oil-milling industry.

I.G. Farben Nationalised?—The Drafting Committee of the State Parliament of Great Hesse, in the U.S. zone of Germany, has unanimously approved a Social Democrat proposal recommending the nationalisation of I.G. Farben, formerly one of the biggest chemical combines in the world. The U.S. Military Government has already requested the premiers of the three States in the U.S. zone to dispose of the component factories of the I.G. Farben combine, which the Inter-Allied Control Commission has already formally dissolved. When the Allies ordered the seizure, possession, direction and control of I.G. Farben over a year ago, their declared object was to "destroy for ever its monopolistic control over German industry and to eliminate the war potential it represented". The U.S. Military Government was previously reported to oppose the acquisition by German Government agencies of large units such as the Farben factory at Hoechst, near Frankfurt, where thousands of workers are now producing drugs and other chemicals for the German market. Finance is the main problem in the disposal of the Farben works.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, October 30

CONDITIONS in the PHARMACEUTICAL CHEMICALS markets remain much the same as those prevailing in recent weeks. A good inquiry is being received from overseas buyers but, in some instances, it is not possible fully to satisfy these markets. Business in the home market is proceeding quietly with little important change in prices. A good inquiry is being received for ACETANILIDE, CAFFEINE and THEOBROMINE. For the two last-named products most of the demand is coming from abroad; supplies for the home market are limited. GUAIACOLS continue in short supply. An upward trend is forecast in PHENOL. RESORCIN and the SALICYLATES continue to be a feature of the export inquiry. An advance has occurred in PULV. BISMUTH. CO., N.F.

Crude Drugs

Conditions in these markets are without appreciable change on the week. Inquiry continues good but actual business is rather less than might be expected at this time of the year. A good inquiry continues for JAPANESE AGAR. The statement in the U.S. Drug Report (see below) that a considerable quantity of agar of Japanese origin has been received in New York is in keeping with the forecast in these columns that arrangements would be made for the importation of this commodity through Government channels. So far as is known, however, no agar has been imported into this country under similar auspices. CURAÇAO ALOES is available in fair supply, but no Cape aloes is offering. BALSAM OF TOLU is obtainable and the demand is good; supplies of this material is reported to be very scarce. COLOCYNTH is somewhat easier and supplies are fair. There is a good demand for LOBELIA but supplies are small; spot prices of the herb are firmer. The market for MENTHOL is firmer, and forward prices are higher for both Brazilian and Chinese material. QUASSIA has advanced in price. Forward quotations for SENEGA are higher.

Essential and Expressed Oils

Only minor alterations in price have been noted for ESSENTIAL OILS outside the scope of the Control Scheme. It is understood that ANISE (STAR) is being supplied in adequate amounts through official channels. With regard to FIXED OILS, the recent ad-

vance in the price of LINSEED OIL is not being felt by the manufacturers of lys and similar saponaceous products, and rise in price of these articles is to be expected. A similar situation in CASTOR OIL combined with a shortage of this product will adversely affect the manufacture of toilet preparations. The shortage of the oils is likely to be a feature of the market for some considerable time.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

| Centre | Quoted | Oct. 30 |
|--------------------|-----------------|--------------|
| *Alexandria ... | Piastres to £ | 97½-97½ |
| Amsterdam ... | Florins to £ | 10.68-10.70 |
| *Bombay ... | Pence to rupees | 1-5½-1-6½ |
| Brussels ... | Francs to £ | 176½-176½ |
| Copenhagen ... | Kroner to £ | 19.32-19.36 |
| Dutch East Indies | Florins to £ | 10.68-10.70 |
| Dutch West Indies | Florins to £ | 7.58-7.62 |
| *Hong Kong ... | Pence to \$ | 1-2½-1-3½ |
| Oslo ... | Kroner to £ | 19.98-20.02 |
| Paris ... | Francs to £ | 479.7-480.3 |
| Lisbon ... | Escudos to £ | 99.80-100.20 |
| Montreal ... | Dollars to £ | 4.02-4.04 |
| New York ... | Dollars to £ | 4.02½-4.03½ |
| Rio de Janeiro ... | Cruz to £ | 75.44-16 |
| *Singapore ... | Pence to \$ | 2-4½-2-4½ |
| Stockholm ... | Kroner to £ | 14.47-14.50 |
| Zurich ... | Francs to £ | 17.34-17.36 |

* Free market rates.

U.S. Drug and Chemical Report

New York, October 2

THE settlement of the eighteen-weeks' oil strike at the plant of a major producer of synthetic PHENOL and certain PHARMACEUTICAL CHEMICALS has been announced, but, it is pointed out, at least one month must elapse before normal output volume can be achieved. A highlight of the market this week was an announcement by the Reconstruction Finance Corporation to the effect that 460 bales of AGAR, 441 cases of refined MENTHOL, 160 cases of refined CAMPHOR and 140 cases of powdered CAMPHOR had been received from Japan and would be distributed by the United States Commercial Co. It is not known whether the menthol (approximately thirteen tons), constitutes the total Japanese stock or whether there will be further shipments in the near future; U.S. consumption of this material approximates 250-300 tons each year, and the position has been exceedingly tight for many months.

STRATATES are commanding considerable attention at the present time and competition conditions which are likely to arise in products shortly are expected to force prices down further. While the price of **PICILLIN** has been reduced to 38 cents per vial of 100,000 units to wholesalers, it is reported that some hospitals are not taking their full quotas of **STREPTOMYCIN**; this is due to rumours of an early decontrol of the drug. Meanwhile, it is reported, small export quotas are being granted. The continuing shortage is affecting deliveries of many fine chemicals.

There will be an active market for **CRUDE DRUGS** over the coming months with manufacturing consumers stocking depleted inventories at firmer prices, the U.S. Office of Domestic Commerce reports. Collections of domestic botanicals are said to be at a level moderately in excess of original estimates and are nevertheless considered a relatively small proportion of total requirements. The recently improved turnover in botanicals continued last week but the market lacked lustre. The outlook for **ESSENTIAL OILS** is discouraging with production difficulties due to shortages of many domestic raw materials continuing to worry the market, the O.D.C. states. Only inferior grades of oils are available to U.S. importers whose activities are subject to price control restrictions, it was pointed out in trade circles. A slight improvement in trading was noted over the previous week but conditions were generally quiet. The import picture was considerably brighter and there were moderate supplies from European and Far Eastern countries. **ALMOND** and **ANISEED OILS** arrived and another shipment of Russian **PINENEEDLE OIL** was noted. Moderate activity was resumed in **PEPPERMINT OILS** but **SPEARMINT OIL** dealers maintained their cautious position of recent weeks. **BERGAMOT OIL** was again marked down on the improved import situation and active trading interest was reported. The resumption of operations in the plants of one large manufacturer of **AROMATIC CHEMICALS** has given rise to hopes of improvement in the critical supply position which exists in most lines at the present time. Activity last week was again limited to regular customers.

Pharmaceutical Chemicals

ACETANILIDE.—Quotations given by makers are unchanged: Crystals, 2s. 5d. per lb.; powder, 2s. 6d.

AMIDOPYRINE.—Current price for B.P. quality in 56-lb. lots is 36s. per lb., with other quantities in proportion.

AMPHETAMINE.—Makers' price remains at 150s. per lb.

ATROPINE.—Quotations for the home trade are unchanged. Prices per oz. are as follows: **ALKALOID**, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. **SULPHATE**, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. **METHYLBROMIDE** and **METHYLNITRATE**, 75s.

CHLORAL HYDRATE.—Prices are as follows: 28 lb., 4s. 5d. per lb.; 14 lb., 4s. 9d.; 7 lb., 5s.; less than 7 lb., 5s. 6d. per lb.

CHLOROCRESOL.—Makers' prices are as follows: 28 lbs., 4s. 6d. per lb.; 56 lb., 4s. 3d. per lb.; 1 cwt., 4s. per lb.

PHENAZONE.—B.P. is quoted at 20s. per lb. for 56-lb. lots; other quantities are in proportion.

PHENOLPHTHALEIN.—Current prices are unchanged: 1 cwt., 4s. 10d. per lb.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.

PULV. BISMUTH CO. N.F.—Rates per lb. in the home market have been advanced. The new schedule of prices per lb. is as follows:—

| Quantity | In containers of | | | | |
|---------------|------------------|-------|-------|--------|--------|
| | 1 lb. | 4 lb. | 7 lb. | 14 lb. | 28 lb. |
| | s. d. | s. d. | s. d. | s. d. | s. d. |
| 1 lb.—4 lb. | 3 3 | — | — | — | — |
| 4 lb.—7 lb. | 3 2 | 3 0½ | — | — | — |
| 7 lb.—14 lb. | 3 1 | 2 11½ | 2 10½ | — | — |
| 14 lb.—28 lb. | 3 0 | 2 10½ | 2 9½ | 2 9 | — |
| 28 lb.—1 cwt. | 2 11 | 2 9½ | 2 8½ | 2 8 | 2 7 |

Terms are net one month. The rates per lb. of **LIQ. BISMUTH ET AMMON. CIT. B.P.C.** have also been advanced as follows:

| Packed in | 1 lb. bottles | Corbyns | Winchester qts. |
|-------------------|---------------|---------|-----------------|
| No. of containers | s. d. | s. d. | s. d. |
| 1 or 2 ... | 2 1 | 2 0 | 1 9 |
| 2 to 5 ... | 2 0 | 1 11 | 1 8 |
| 6 to 11 ... | 1 11 | 1 10 | 1 6½ |
| 12 to 35 ... | 1 9½ | 1 8½ | 1 5 |
| 36 ... | 1 8 | 1 7 | 1 4½ |

SANTONIN.—Prices are unchanged: 5 kilos, £44 per kilo; less than 5 kilos, £45; 1 kilo, £46; half-kilo, £47; quarter kilo, £48 per kilo, carriage paid in U.K.

TERPINEOL.—B.P. quality is steady at 3s. 9d. to 4s. 3d. per lb., according to quantity. Perfumers' quality is dearer.

THEOBROMINE.—Prices per lb., in quantities of 28 lb., are as follows: **ALKALOID**, B.P.C., 30s. 6d.; **CALCIUM SALICYLATE**, 19s. 3d.; **SODIUM SALICYLATE**, 19s. 3d.

VANILLIN.—Prices unchanged. 5-cwt., 22s.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller parcels, up to 23s. 6d. per lb., as to quantity.

Crude Drugs

ALOES.—Quotations for Curaçao are firmly maintained at 270s. per cwt., on the spot; forward, 245s., c.i.f. No Cape is offering.

ANISE (STAR).—Spot quotations are in the region of 215s. per cwt.; shipment, about 115s., c.i.f.

CALABAR BEANS.—Offered at 1s. 10½d. per lb., ex warehouse Liverpool.

CAMPHOR.—In fair supply. Chinese ¼-oz. tablets, afloat, 11s. 6d. per lb., landed; spot, 11s. 9d. 1-oz. tablets, 11s.; 2½-lb. slabs, 11s. 3d.; powder, 10s. 6d.

CANTHARIDES.—Chinese (*Mylabris*) is steady at 13s. per lb., c.i.f. The demand for this material is poor.

CAPSICUMS.—Spot quotations for East African are quoted at from 120s. to 140s. per cwt., according to quality.

CLOVES.—Zanzibar, scarce at source, are offered at 11d. per lb., spot; afloat, 10d., c.i.f., buyers' licence.

COCHINEAL.—Business is quiet with prices firm at 5s. 6d. per lb. for silver greys; blacks, in short supply, 5s. 9d.

COCOA BUTTER.—Maximum price increased from 1s. 5½d. to 1s. 7d. per lb., delivered.

COCONUT (DESICCATED).—Maximum controlled price is 74s. 8d. per cwt., ex store.

COLOCYNTH.—In fair supply. Fine-white pulp is quoted at from 2s. 10d. to 3s. per lb.; medium-white, 2s. 6d. per lb.

DIGITALIS LEAVES.—Portuguese, in good supply, is quoted at 130s. per cwt., spot; English-grown, from 2s. 3d. to 2s. 6d. per lb.

ERGOT.—Business quiet with supplies poor. Fair material is offered at 6s. per lb., on the spot.

GALBANUM.—In limited supply; quotations for small quantities are at 8s. 6d. per lb., duty paid.

GENTIAN.—French material is available on the spot at 112s. per cwt.

GINGER.—Jamaica is firmer. No. 1 is quoted at 130s. per cwt., No. 2, 115s.; No. 3, 105s., sellers. African, 82s. 6d., spot.

GUM ACACIA.—In fair demand. Kordofan, cleaned sorts, 76s. per cwt., London; 74s., Liverpool. Talha, cleaned, 45s., spot; 42s. 6d., c.i.f.

GUM MASTIC.—In fair supply. No. 1 material is offering at 18s. per lb.

HENBANE.—Indian leaf is steady at 250s. per cwt. on the spot. Indian (*muticus*), shipment, 75s., c.i.f.

JABORANDI.—Quoted on the spot at 90 to 125s. per cwt., according to quality.

JALAP.—Vera Cruz, testing 12.4 per cent resin, is firmly held at 4s. 6d. per lb.

JUNIPER.—Italian berries are quoted at from 56s. to 65s. per cwt., according to quality.

KAMALA.—Quotations for small quantities are at 3s. per lb., landed.

KOLA NUTS.—Quiet market. Africa quarters, 7½d. per lb.; African halves, 6d. Jamaican washed halves, 5½d.

KRAMERIA.—In fair supply. Quotations are steady at 11d. per lb., spot.

LIQUORICE ROOT.—Anatolian whole root is steady at 65s. per cwt., on the spot.

LOBELIA.—Quotations for the herb are firmly held at 6s. 6d. per lb., on the spot. A good demand is being received.

MENTHOL.—Brazilian is quoted at from 45s. to 47s. 6d. per lb., duty paid. Chinese 50s., spot; afloat, 47s. 6d., per lb., landed duty paid.

MYRRH.—Aden sorts, steady on the spot at £14 to £16 per cwt., according to quality. Siftings are available at £10 per cwt.

NUTMEGS.—Prices nominal. West Indian 80's, 5s. per lb.; sound unassorted, 4s. 9d. wormy and broken, 4s. 6d.

NUX VOMICA.—Market quiet. Madras from 40s. to 42s. 6d. per cwt.; Mangalore 40s., spot; Cochinchina, easier at 45s. per cwt.

ORANGE PEEL.—Spanish quarters are offered at 2s. per lb.; sweet ribbon, 2s. fine-cut Tripoli, spot, 4s. 9d. to 4s. 10½d. nominal.

ORRIS.—Florentine is quoted at from 125s. to 135s. per cwt., according to holder Verona, 75s. to 80s. per cwt.

PAPAIN.—East African, quotations firmly maintained at 24s. per lb., spot.

PEPPER.—Maximum controlled prices are unchanged. Whole, not picked over or cleaned, on sale to processors, 1s. 4d. per lb. for white and 1s. for black. Picked over and cleaned, 1s. 8d. and 1s. 2d. per lb., respectively. Lampong black, November-December shipment, steady at 2s., c.i.f. sellers; white Muntok, November-December shipment afloat, easier at 2s. 3d., c.i.f. sellers.

PIMENTO.—Spot quotations are fractionally dearer at 1s. 1½d. per lb.; forward 122s. 6d. per cwt., c.i.f.

QUASSIA.—Quotations are again reported to be firmer at 42s. 6d. per cwt.

QUILLAIA.—Natural bark is offered at 125s. per cwt., spot; cut, 150s., ex store.

QUINCE SEEDS.—Cape, on the spot, 9d. per lb.

RHUBARB.—Quotations for rough-round material of fair fracture are in the region 9s. 6d. to 12s. 6d., according to quality and holder.

SARSAPARILLA.—Jamaica native, red and white mixed, is easier at 2s. 7d., spot.

SEEDS.—**ANISE.**—Turkish, spot, 2s. 7d. per lb., duty paid. **CELERY.**—Indian, 1s. 6d. per lb., spot London. **CORIANDER.**—

Torocco, 85s. per cwt., duty paid; Indian, 2s. 6d., spot. **CUMIN.**—Indian, now afloat, 15s. per cwt., landed terms; Cyprus, 210s., spot. **DILL.**—Indian, 57s. 6d. per cwt., spot Liverpool; 60s., spot London. **FENNEL.**—

Indian, 155s. per cwt., spot London or Liverpool. **FENUGREEK.**—Indian, 65s. per cwt., spot Liverpool.

SENEGA.—In poor supply. Quotations are from 14s. 6d. to 15s. 6d. per lb., landed London. Forward position is reported firmer.

SENNA.—Tinnevelly leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4, 9d. Tinnevelly pods, good quality, from 10½d. to 11½d.; f.a.q., 6d. to 6½d. Alexandrian pods, hand-picked, spot, from 4s. 3d. to 4s. 9d., according to quality; medium, 1s. 9d.; manufacturing grade, 1s. 9d. to 2s.

STRAMONIUM.—Indian is quoted at from 5s. to 80s. per cwt., on the spot.

STROPHANTHUS.—Kombé seed, 100 per cent., is steady at 7s. per lb. on the spot.

TRAGACANTH.—Limited business with prices steady. Selected grades are quoted at £155 per cwt. Prices of medium grades are as follows: No. 1, white, £145 per cwt.; No. 2 white, £125; No. 3, white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Madras finger, spot, 95s. per cwt., ex wharf London; 92s. 6d., ex store Liverpool. November-December shipment, 87s. 6d., c.i.f.

VALERIAN.—Belgian is offered at from 240s. to 255s. per cwt., according to holder.

WAXES.—Business quiet. **CARNAUBA.**—Fatty grey, 1,025s. per cwt., spot; November-December shipment, 860s., c.i.f.; chalky grey, 910s., c.i.f.; prime yellow, spot, 1,175s.; November-December shipment, 990s., c.i.f. **CANDELLILA.**—Spot and forward delivery, 450s. per cwt. **BEES'.**—Dares-Salaam, spot, 340s. per cwt.; shipment, 340s., c.i.f. Benguela, spot in bond, 315s.; shipment, nominal, 305s.; Sudanese, 315s.

on the spot, in bond; Lindi, spot, 337s. 6d.; shipment, 335s. **MONTAN.**—350s. per cwt., ex store. **OURICURI.**—7 per cent. impurities, 550s. per cwt., landed terms.

Essential and Expressed Oils

ANISE (STAR).—It is understood that adequate supplies of this oil are being distributed through the Essential Oils Control.

BAY.—In fair supply. Quotations for West Indian, in small lots, are at 8s. 6d. per lb.

CASTOR.—Controlled prices unchanged. "Firsts," £110; "seconds," £108 per ton, naked ex works.

CLOVE.—Quotations for English-distilled oil are easier, at from 11s. 6d. to 12s. 6d. per lb., according to quantity.

CORIANDER.—English-distilled oil of B.P. quality is available at 180s. per lb.

COTTONSEED.—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined, edible, £57; refined deodorised, £58, naked ex works.

GERANIUM.—Bourbon is steady on the spot, at from 95s. to 100s. per lb.

GINGER.—This oil is quoted unchanged, at from 100s. to 125s. per lb., according to source.

LAVENDER.—French oil (38 to 40 per cent. esters) is steady at 60s. per lb., on the spot; Spanish (spike), 16s. per lb.

LEMONGRASS.—Offered on the spot at from 20s. to 21s. per lb.

LIME.—West Indian-distilled oil is quoted unchanged at 35s. per lb.

LINSEED.—Controlled price for crude oil is £135 per ton, naked ex works.

NUTMEG.—Quotations for English-distilled oil are at 75s. per lb., spot.

OLIVE.—Controlled price of edible oil (1 per cent.) to wholesalers is 47s. 9d. per gallon (9 lb.).

ORIGANUM.—Quotations are steady at 21s. per lb., on the spot.

PIMENTO BERRY.—English-distilled oil (B.P.C. quality) is quoted at 50s. per lb., spot.

RAPESEED.—Controlled price, for bulk supplies of crude oil, is £91 per gallon, naked ex works.

ROSEMARY.—Spanish oil is offered from 10s. to 12s. 6d. per lb.

SASSAFRAS.—Brazilian quoted at 6s. 6d. per lb., on the spot; forward, 5s., sellers.

THYME.—Red oil (40 per cent. phenols) is quoted at 21s. per lb., spot; white oil, 22s. 6d. per lb.

TRADE MARKS

(From "The Trade Marks Journal," October 9)

- "MYCOLIN"; for pharmaceutical preparations and substances (5). By Glaxo Laboratories, Ltd., 891 Greenford Road, Greenford, Middlesex. B641,468.
- "HERBIFER"; for herbal tea for medicinal purposes (5). By International Herbs, Ltd., 7-9 Norfolk Street, London, W.C.2. 639,839.
- "RAYDERM"; for pharmaceutical preparations in paste form for external use in the treatment of the skin (5). By John Knight, Ltd., The Royal Primrose Soap Works, Silvertown, London, E.16. 640,991 (Associated).
- "LUBICOL"; for pharmaceutical substances (5). By Ernest Frederick Hyatt, 17 South Molton Street, London, W.1. 639,731.
- "PYCELLA"; for medicinal ointments (5). By Sidney Albert Horsham, 45A Littlemoor Road, Ilford, Essex. 641,630.
- "TOCAO"; for infants' and invalids' foods; dietetic foods (5). By Robert Gaston Leroux, 81 bis, Quai d'Asnieres, Asnieres, France. 642,102.
- "JEFO"; for pharmaceutical products (5). By John Prentice (London), Ltd., 3 The Exchange, London, N.10. 642,322.
- "UNDECTAN"; for pharmaceutical preparations and substances (5). By The British Drug Houses, Ltd., 16 Graham Street, City Road, London, N.1. 642,404.
- "HOC"; for optical apparatus and instruments, and parts thereof not included in other classes (9). By William Bassier, 2 Aylmer Court, London, N.2. 641,684.
- "AEROLIAN"; for hair-drying appliances (11). By Hairdressers Electrical Service Co., 81 Dean Street, Oxford Street, London, W.1. 642,360.
- "METEOR"; for toilet paper (not medicated), etc. (16). By Tissue Papers, Ltd., Epworth House, 25 City Road, London, E.C.1. 641,619.
- "BOW-TAINER"; for combs (21). By Lester Thorn-dike Sawyer, 80 Washington Street, Leominster, Worcester, Massachusetts, U.S.A. 638,421.
- "ASTROLEX" and "ASTERITE"; for brushes included in this class and brush-making materials (21). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 642,139-44 (Associated).

(From "The Trade Marks Journal," October 16)

- "GRIN"; for cleaning and polishing preparations (3).
- "DANSITA"; for perfumery, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps and essential oils (3). By Ashe Laboratories, Ltd., 120-22 Victoria Street, Westminster, London, S.W.1. 641,996. 642,012.
- "WITCHING HOUR"; for perfumes (3). By De Graf Perfume Bais, Ltd., 19 Grosvenor Gardens, Temple Fortune, London, N.W.11. 642,381.
- "NIRVA"; for antiseptic preparations for external use; disinfectants (5). By S.F.P. Synthetic Fine Products, Ltd., 191 Sussex Gardens, London, W.2. B649,598.
- "PREONCILIN"; for pharmaceutical substances for human and veterinary use; infants' and invalids' foods (5). By Roche Products, Ltd., 40 Broadwater Road, Welwyn Garden City, Herts. 640,932.
- "BISMULAK"; for pharmaceutical preparations (5). By The Lakeside Laboratories, Inc., 1,707 East North Avenue, Milwaukee, Wisconsin, U.S.A. 641,053.
- "FESTREITIN" and "PRARGITOL"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., 14 Waterloo Place, London, S.W.1. B641,768. 642,618.

- "PROTOCON"; for endocrine glandular extracts and hormones and preparations thereof, all being pharmaceutical preparations (5). By W. J. Reedell, Ltd., Hardwick House, 161-65 Rosebery Avenue, London, E.C.1. 641,713.
- "JODDIES"; for iodised throat tablets (5). By Cro & Max (Agencies), Ltd., 17-18 Bishops Court Old Bailey, London, E.C.4. 641,986.
- "DRITOX"; for insecticides, fungicides and preparations for killing weeds (5). By Ashe Laboratories, Ltd., 120-22 Victoria Street, Westminster, London, S.W.1. 641,999.
- "MENOVO"; for pharmaceutical preparations and substances (5). By Clinical Products, Ltd., The Green, Richmond, Surrey. 642,405 (Associated).
- "ALTRA-LAX"; for laxative preparations (5). By Altra, Ltd., 37-39 Oxford Street, London, W.1. 642,601.
- "IDINEAST"; for pharmaceutical preparations (5). By Rheumogen, Ltd. (Edinburgh), Room 40, 93 Hope Street, Glasgow, C.2. 642,783.
- "FLEXARET" and "FLEXINA"; for optical apparatus and photographic apparatus (9). By Opt kotechna, Spolecnost S.R.O., Prerov, Dvorakovic, Prerov, Czechoslovakia. 610,178-7 (Associated).
- "PALAGRYL"; for surgical appliances, instruments and apparatus, artificial eyes and teeth and sets of artificial teeth; all made of acrylic synthetic resin plastics (10). By Stafford Palin, Ltd., Fisher's Court, New Cross Gate, London S.E.14. 641,329 (Associated).
- "VACUNE"; for medical and surgical instrument in the nature of syringes used in pathology and for taking blood specimens (10). By Bave Products, Ltd., 14 Waterloo Place, Pall Mall London, S.W.1. 642,103.

COMING EVENTS

Monday, November 4

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY Central Library, Beckenham Road, Beckenham Kent, at 7.30 p.m. Dr. F. Dyer on "Modern Developments in Biological Standardisation."

Tuesday, November 5

CHADWICK PUBLIC LECTURE, Livingstone Hall, 4 Broadway, Westminster, London, S.W.1, at 2.30 p.m. Mr. Asa Briggs, B.A., B.Sc., on "Public Opinion and Public Health in the Age of Chadwick."

Wednesday, November 6

CARDIFF AND DISTRICT BRANCH, PHARMACEUTICAL SOCIETY, Park Hotel, Cardiff, at 7.30 p.m. Members' evening. Guest: Dr. Thomas Dewar.

WEMBLEY, HARROW, WEST MIDDLESEX, HENDON AND EDGWARE BRANCHES, PHARMACEUTICAL SOCIETY Town Hall, Wembley, Middlesex, at 7.30 p.m. Dr. R. Clitherow, M.P., on "The Registered Pharmacists' Union."

BEDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Dujon Restaurant, High Street, Bedford, at 7.15 p.m. Mr. R. H. Bombac, B.Sc., A.R.I.C., A.R.P.S. (Kodak, Ltd.), on "Some Modern Applications of Photography."

Thursday, November 7

LEICESTER BRANCH, PHARMACEUTICAL SOCIETY, St. George's Hall, Colton Street, Leicester, at 7.30 p.m. Whist drive. Tickets 2s. each.

The annual meeting, supper and get-together of the Bradford Branch, National Pharmaceutical Union, will be held at Laycock's Cafe, Albion Street, Kirk-gate, Bradford, at 7.45 p.m. on November 12. Tickets 2s. each. Book before November 5.



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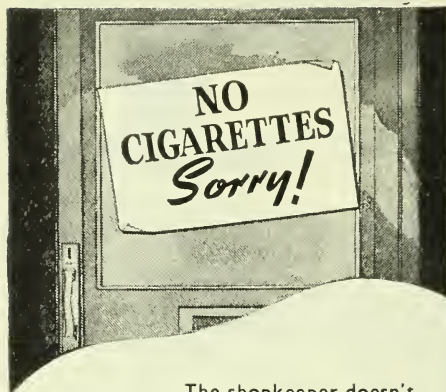
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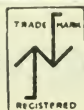
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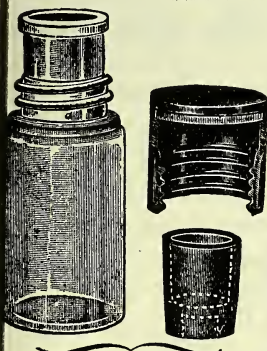
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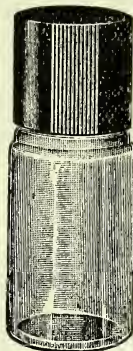
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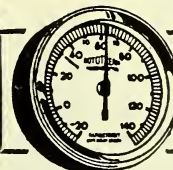
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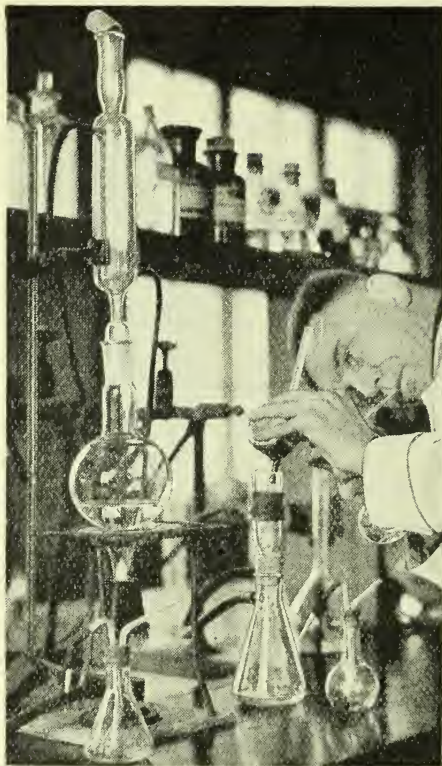
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MERCURY BICHLORIDE B.P.

MERCURY OXIDE RED B.P.C.

MERCURY OXIDE YELLOW B.P.

MERCURY CHLORIDE B.P. (calomel)

MERCURY AMMONIUM CHLORIDE B.P.

The above are available from
stock. We also can supply
red and yellow Mercury Oxide
Technical.

MAY & BAKER LTD.

DAGENHAM

ENGLAND

Telephone : ILFord 3060

Extensions - - 72 & 40



Manufacturers of Fine

Chemicals since 1834



SAVES STEEL AND MONEY

FIXED
RETAIL PRICE

2/1 (Including
Purchase Tax)

EACH PACKED IN A
SEPARATE CARTON
WITH INSTRUCTIONS
FOR USE.

ATTRACTIVE WHOLE-
SALE TERMS ON
APPLICATION TO THE
MANUFACTURERS.

BY MAKING ONE SAFETY-RAZOR BLADE
LAST FOR HUNDREDS OF SHAVES.
THESE HONES ARE MADE IN GLASS
OF UNIQUE PROPERTIES WITH A
SPECIALLY PREPARED SURFACE AND
ARE PATENTED THROUGHOUT THE
WORLD.

WOOD BROS. GLASS CO., LTD.

(DEPT. H.I.)

ESTABLISHED 1828

BARNSELY

TELEPHONE 3637-8-9

ENGLAND

TELEGRAMS: "WOODS, BARNSELY"



BENZALDEHYDE

**B.P.C.
and Technical**

Manufactured by



Bush

W J BUSH & CO LTD · LONDON E8 · ENGLAND

To Increase your sale of *Rendells* Products



RENDELLS

MENSINOLE

SILATEX

SANTRON

RENDELL GELS

PATA

Display this small but dignified sales aid in your window and on the counter.

Produced in solid plastic, it is a permanent tactful reminder that you stock the full range of RENDELLS PRODUCTS FOR FEMININE HYGIENE. It not only creates confidence and goodwill amongst existing customers, but attracts new and regular purchasers—all potential buyers of many other pharmaceutical necessities.

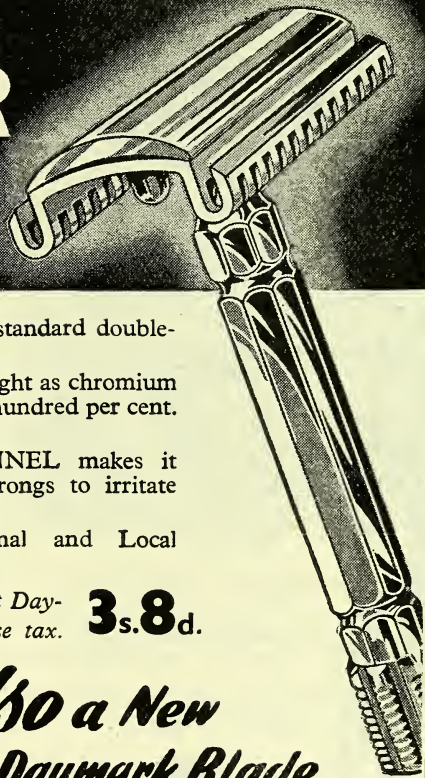
Take this opportunity of increasing business by sending us a postcard today marked "DISPLAY TABLET", and we will send you two of these attractive sales aids by return.

Unfortunately owing to shortage of raw materials, supplies of SANTRON and SILATEX are still limited. Every effort is being made however, to ensure fair and even distribution.

SOLE MANUFACTURERS:

W. J. RENDELL LTD., 161, ROSEBERY AVE., LONDON, E.C.1

The *NEW* Universal **MYATT RAZOR** *has arrived*



1. **UNIVERSAL**—it takes any standard double-edge blade.
2. Made of **ALUMINIUM**—bright as chromium —“light as a feather”—one hundred per cent. rust-proof.
3. Exclusive **GUTTER CHANNEL** makes it easy-to-clean; no exposed prongs to irritate tender skin.
4. Being advertised in National and Local Newspapers.

Complete in box with two Myatt Daymark Blades including purchase tax. **3s.8d.**

Also a New **MYATT Daymark Blade**

Concentration of Industry now being a thing of the past, we have resumed production in our own factory which has been re-equipped with the most up-to-date machinery.

While retaining the exclusive Daymark feature that brought fame to the pre-war Myatt blade, our new post-war blade is better than ever. Like our new razor it is universal—it fits any standard three-peg razor.

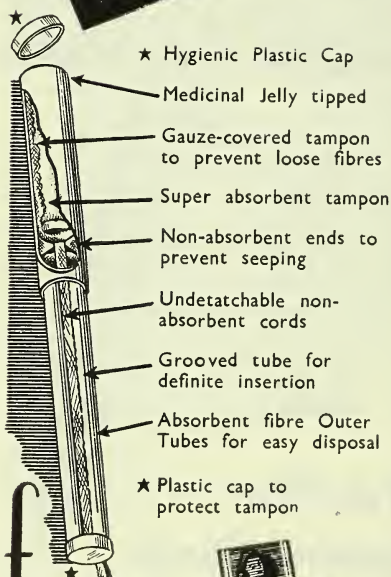
**5 for
1s 3d**
incl. P.T.

Supplies are not unlimited but dealers ordering quickly will get prompt delivery of a fair quota.

Sole Manufacturers: W. J. MYATT & CO., LTD., Argent Works, Birmingham



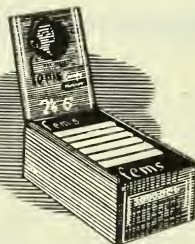
IT'S **NEWS** BECAUSE
fems is the *only* tampon
with applicator
totally gauze covered



- ★ Hygienic Plastic Cap
- Medicinal Jelly tipped
- Gauze-covered tampon to prevent loose fibres
- Super absorbent tampon
- Non-absorbent ends to prevent seeping
- Undetachable non-absorbent cords
- Grooved tube for definite insertion
- Absorbent fibre Outer Tubes for easy disposal
- ★ Plastic cap to protect tampon

fems
The New
Comfy
TAMPON

2/6 Carton of **10**
& **6P** Handbag Packs



NEW DISPLAY PACK

trade enquiries to :-
fems Surgical Supplies Ltd
306 STOCKPORT RD MANCHESTER 13 Works:- Grosvenor Street

Femex
REGD.

**SANITARY
TOWELS**

for
Perfect Reliability
NON CHAFING
HIGHLY ABSORBENT
In various sizes

WILFRED STRETCH & CO
LIMITED
CASTLETON • ROCHDALE

MANEX SERVICES LTD.

23, HAYMARKET, LONDON, S.W.1

desirous of obtaining Representation for product
available export on Agency basis. Director of
above Company proceeds on selling mission, Rive
Plate, near future. Definite enquiries on hand

SURGICAL RUBBERWARE

Best Quality Packed line.
36/- per gross from Stock.

Apply : **PHILIP SHRANK LTD**
3 WOODBERRY GROVE, FINCHLEY, LONDON, N.12
Established 1933

JELONET/B

Sulphonamide tulle (Burn Dressing)
Approved by the Ministry of
Transport — Merchant Shipping
Medical Scales.

Amendment No. 1 to 1945 Edition.
Price to trade—9/6 per tin nett.
Price to Ship Owners—11/6 per tin.

Obtainable from your usual Wholesaler.
T. J. SMITH & NEPHEW LTD., HULL.
Makers of Elastoplast.

MAKE *EXTRA* SALES & PROFITS

**ATTACHED CLEANING PAD
IN NECK OF BOTTLE
ALWAYS READY FOR USE**



Bitoff, the home dry cleaner, is non-inflammable, chemical because the pad prevents spilling and waste, will last the whole bottle. Retail at 1/9.

National advertising reaches millions. Attractive new stands make big sales.

PROFIT ON EACH BOTTLE IS SEVENPENCE.

DABitoff DRY CLEANER



MO-PLASTICS LTD. 59/60 Old Bailey, E.C.4

Sole Distributors:

OS. CHRISTY & CO. LTD., FARNHAM, SURREY

THE KEYSTONE OF RELIANCE SUCCESS IS CHEMICAL RESEARCH



Shortages caused through 6 years of war cannot be made good in a few months. Regretfully we cannot open new accounts for the present: neither can we meet fully the demands of old customers.

Reliance hot water bottles are being distributed as fairly as possible: soon, we hope, there will be enough for all.

Reliance

RELANCE RUBBER CO. LTD.
LOTS ROAD, LONDON, S.W.10

Telephone: Flaxman 6200 and 0985/6
Telegrams: "Doorstop." Fulroad, London

D·O·N'T S·A·Y 'NO!'

That empty S.D.I. bottles should a retailer accept? Every one that is offered, whether it comes from his supplier or not. The shortage of bottles is so acute, and the need for the return of empties so urgent, that bottlers and wholesalers are prepared to accept **any** type of S.D.I. bottle offered, and credit the retailer with the standard allowance.



Issued by the Soft Drinks Industry (War Time)
Sec., Ltd., 42 Upper Grosvenor St., London, W.1.

CVE-58

A DELICATE SUBJECT — FOR DELICATE SKINS

The **TOTTY-POT**

Trade
Mark
"Totty-
Pot"
Patent
applied for

*Rubber Ringed for
— Cushion Comfort*

**A NON-CORROSIVE ACID-PROOF
HYGIENIC CHILD'S CHAMBER**

Detachable ring, easily removed for
cleaning purposes

**Made of Aluminium—Plastic Hand
ANODISED IN SOFT PASTEL SHADE**

SOLE MANUFACTURERS

J. BILLIG & SONS LTD.,

ESTABLISHED 1899

BILTIN WORKS, FONTHILL RD LONDON N.W.

TELEPHONE: ARCHWAY 2753 & 3858

**MATERIAL AND
LABOUR SHORTAGE**

For containers and display outers,
and especially for shallow packs,
our Patent carton with the clips
is unquestionably, in material
and labour, the most economical
style available today

BOXFOLDIA LTD
BOURNBROOK, BIRMINGHAM

Grams: 'Boxfoldia, Birmingham'
Phone: Selly Oak 1164

RABOK**THE WONDER WOOL**★ *Cleans as it Polishes*

THE MODERN METHOD OF CLEANING

Gold, Silver, Electro Plate, Chromium, Etc.

USED BY ALL LEADING SILVERSMITHS

Trade Enquiries to:

The RABOK MANUFACTURING Co. Ltd.
OUGHTIBRIDGE . . . SHEFFIELD



*When packing or
purchasing Toilet or
Medicinal Preparations
see the bottle is sealed
in the best way—
i.e. by a cork the
natural closure.*

RUBBER PRODUCTS

for the
**Druggists'
Trade**



*Hot water Bottles,
Air Cushions, Air &
Water Beds, Water-
proof Sheetings, etc.*

name upholds your reputation
stocking the best a
t to remember when normal
plies again become available.

NORTH BRITISH

NORTH BRITISH RUBBER COMPANY, LTD., EDINBURGH & LONDON

*Something really new
in insecticides!*

International NEW insecticide recently evolved
in a powerful formula will prove a tremendous
seller in 1946.



NO-ESCAPE
666

INSECT POWDER
KILLS VERMIN BY CONTACT

A TREMENDOUS SELLER!

'Pharmitex'
PURE
TOILET TISSUE

is post war
quality and for
Chemists only.



HAROLD WESLEY LTD.
HARLEY MILLS, LONDON, N.W.10



Even a shilling or two saved each week soon adds up to a really useful amount if it's regularly put aside. But regular weekly saving is much easier when you belong to a staff Savings Group. Then the money is collected weekly or monthly—just as you wish—and invested for you. And it is by regular saving that you help not only yourself but the Nation, which needs every penny saved for the vital work of reconstruction. If there's already a Savings Group where you work, join to-day. If there isn't, have a word with your departmental manager, foreman or shop steward.

ANOTHER GOOD SAVINGS IDEA!

Every place of employment can run a National Savings Club as well as a Savings Group. Clubs exist for the special purpose of helping you to save without disturbing your normal Savings, for special occasions such as Christmas, for holidays or for outings. Material for running Savings Clubs and Groups is supplied free. Explanatory literature from:

THE NATIONAL SAVINGS COMMITTEE,
20, Great Smith Street, Westminster, London, S.W.1

It's easier to save in a
STAFF SAVINGS GROUP

Issued by the National Savings Committee

**EVERY HOUSE
WITH A
MOUSE**

—means
another customer for
SCRAM

Send 25/6 for 3 dozen 1/- Pkts.
From most wholesalers or direct:—
SCRAM: 5 DARTMOUTH PK. HILL, LONDON, N.W.5

STAINED!

For the "professional style" cleaning of Dainty and DELICATE FABRIC SUITS, HATS, SATIN AND BROCADE SHOE GLOVES, SCARVES, TIE CARPETS, also for WINDOWS, MIRRORS, BATH PAINTWORK, etc., use Solitaire Dry Cleaner.

Solitaire Dry Cleaner perfects itself for the cleaning of all fabrics, no matter how dainty. Its chemical bleaching action leaves no "ring." Non-flammable. Different from other solvents—clean by the action of millions of tiny globules which gently carry away all dirt.

Sold in bottles price 1/0 at Grocers, Chemists, Stores, etc.

**SOLITAIRE
DRY
CLEANER**

FURMOTO CHEMICAL CO. (FACTORS) LTD
1-3 Brixton Road, London, S.W.9



CARTONS & BOXES CARDBOARD DISPLAY BOXES

Our considerable resources and specialised knowledge are at your disposal. Our aim is prompt and intelligent services. May we assist in planning your future requirements.

CARDBOARD BOX MANUFACTURERS

J. DRING LTD.

SALES OFFICE, 34, HARLEY STREET,
— PORTSMOUTH —

TELEPHONE - 74448, 74449, 74440

RODINE

doesn't give rats a chance

it gives chemists certainty of steady demand for this well-triedicide. Rodine, the original Rat Poison (Phosphorus), also Rodine (and Squill) the popular 'official' poison for rats.



T. HARLEY LTD.
PERTH, SCOTLAND.

ATA

RENTOPINE DDT DISINFECTANT

Advertised extensively in the Press and Woman's Media, RENTOPINE is a guaranteed quick selling line. INCREASE YOUR TURNOVER by stocking this amazingly successful disinfectant with the pure pine aroma.



RENTOPINE
retails at

1/- & 2/-
per bottle

If you do not already stock RENTOPINE write or 'phone for a representative.

RENTOKIL LTD.
STOCKWELL ROAD · S.W.9
Brixton 6426/7
Works FETCHEM · SURREY



WYLIE'S
Abrasive
HAND SOAP

*It's quick—
It's good!*

**INVALUABLE IN THESE DAYS
OF SOAP SHORTAGE**

This is the scarlet and pink tin that catches the customers' eye — outstanding on your shelf, compelling in its attractiveness; WYLIE'S Abrasive HAND SOAP cleans, protects and preserves delicate hands, making them beautifully soft and smooth while gently removing grime. No grit, acid or caustic. A quality line worthy of warm recommendation. Write us now for full details.

**NO
COUPONS
1/3
IN THE PINK
AND RED TIN**



WYLIE'S CLEANSERS LTD., 12 DARTMOUTH STREET, LONDON, S.W.1

**AMPOULE
FILES**

(BRIGHT FINISH AND CADMIUM FINISH)
GOOD CUTTING EDGE

Send your orders to:—
JULES LANG & SON
96, HATTON GARDEN, LONDON, E.C.1
Telegraph: "Assorted Phone London" Holborn 8687 (3 lines)

IMMEDIATE DELIVERY

TOILET ROLLS, SANITARY TOWELS,
BARBERS COMBS First Quality Retail at 8½d
Please write and state whether wholesale or
retail trade, also if you are registered for
Purchase Tax.

ANGEL WAREHOUSE CO., LTD.
74 Upper Street, Islington, N.1.

PARAGON RAZOR BLADES

PARAGON
MADE IN SHEFFIELD
ENGLAND.

No. 4. ACORN

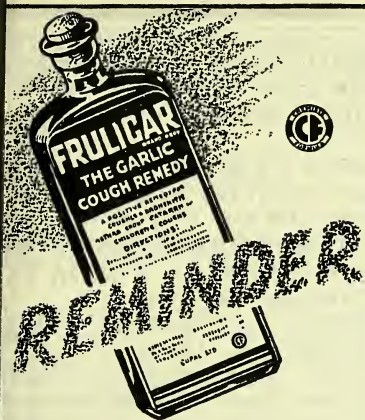
THE "PARAGON" BLADE

No. 2. SINGLE EDGE

PARAGON
MADE IN SHEFFIELD
ENGLAND.

No. 3. STROPPING

**SOLE MANUFACTURERS—
THE PARAGON RAZOR CO.
NURSERY WORKS, ELDON STREET, SHEFFIELD, 1**



Rail Prices 1/5 & 2/6 inc. Pur. Tax
Gross margins and discounts

CUPAL LTD.,

Manufacturing Chemist, BLACKBURN

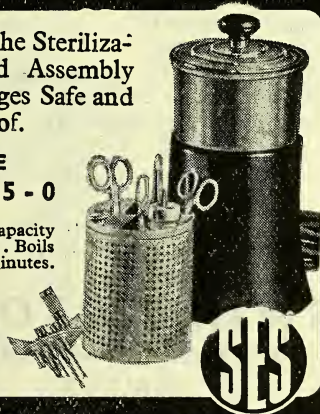
URQUALET
TRADE MARK

THE NEW ELECTRIC STERILIZER

Makes the Sterilization and Assembly of Syringes Safe and Foolproof.

PRICE
£5 - 15 - 0

Working Capacity
... Boils
... Minutes.
Overall
... 8 1/2"
... and
... Dia-
... of



SURGICAL EQUIPMENT SUPPLIES LTD
WESTFIELDS ROAD, LONDON, W.3
Name of Local Dealers on request

TAYLOR 638

There's every reason...



why you should stock
LIT FIRELIGHTERS!

Agreed, it is something new for most chemists but the Lit Firelighter is attractively presented in an airtight, odourless, transparent wrapping in accordance with the dignity required by the profession. It is a luxury pack and offers the public the greatest value with 100% efficiency.

Yet it retails at 6d. per cake of 12 divisions - - 4 dozen in an outer.
DOUBLE SIZE at 11 1/2d.

2 dozen in an outer.

LIT FIRELIGHTERS will be extensively advertised throughout the winter in national and weekly newspapers.

Lit Posters will be seen everywhere.

Order through your usual wholesaler, or in case of difficulty apply direct to the manufacturers.

LIT

FIRELIGHTER

FUBEX LTD., 27, ALBEMARLE ST.
LONDON, W.1.

ASPRO LIMITED

Statement by the Chairman, Mr. Ewart F. Norris at the 11th Annual General meeting held on Oct. 30th 1946.

It is a pleasure to me that one of my first duties as your recently appointed Chairman is to present to you a Statement of Accounts which I feel sure you will consider satisfactory.

The Stockholders will recollect that at the Annual General Meeting last year Mr. Hugh Middleton, who was appointed Chairman in 1943 in succession to the late Mr. Garcia, was unable to preside, as he had undertaken a sea voyage for reasons of health. In his absence Mr. Philip Nesbitt acted as his deputy, and was appointed Chairman when, on his return, Mr. Middleton retired to take up his residence in Australia. This appointment and its acceptance were made on the understanding that it was not permanent. The experience of Mr. Nesbitt's tenure of the office of acting Chairman and Chief of the Executive had satisfied him and his colleagues on the Board that this position must be held by someone able to devote his time and attention exclusively to the affairs of your Company and the post-war development and extension of its activities in closer association with the Australian Company which was the original founder of the Aspro business.

As a Director of the Australian Company and its associated Companies for a number of years, I was invited to accept the position of Chairman and Chief of the Executive, and, as mentioned in the Directors' Report, Mr. Nesbitt resigned but was simultaneously appointed an alternate Director for Mr. Maurice Nicholas. I am sure the Stockholders will endorse the expression of appreciation which the Directors desire me to make of the service which Mr. Nesbitt has rendered to the Company while he has been acting as its Chairman.

It gives your Directors pleasure to recommend the declaration of a final dividend of 25 per cent., less tax, on the Ordinary Stock, making a total distribution of the year of 35 per cent., less tax.

Conditions during the year under review have not been free of difficulty, but there has been a marked improvement, and before the close of the year, it was possible to meet the full demands of the Home market for our product after providing the maximum amount which it was possible to export. The demand has continued to increase progressively both in the Home and the Overseas markets. Realising the importance of export trade in the economy of this country, every effort has been made to develop our trade abroad, and, while it has not been possible to supply fully the demand owing to shipping and other difficulties, I am able to report substantial expansion of business in all the Overseas territories in which your Company operates.

Preparations are also well advanced for the introduction of Aspro to large new Overseas markets in conjunction with the Australian Company.

Apart from the development of our main product, we are planning a widening and expansion of our activities in the proprietary medicine and ancillary fields to enable the employment of reserves and available capital in active business which, your Directors believe, will be not only remunerative to your Company, but of great benefit to this Country.

Your Company is deeply indebted to its Joint Managing Directors, Mr. F. S. Allwright and Mr. E. H. Neale for their valuable services during a year in which, under the difficult conditions which have prevailed, they have brought to bear, in the fullest measure, the qualities of energy, initiative and capable management.

I also wish to thank the staff for the splendid work which they have done with the utmost loyalty and devotion to duty.

BOTTLE TEATS. Transparent pre-quality, cellophane wrapped. 24/- gross

BOTTLE VALVES, similar good quality. gross

BOTTLE TEATS, pink latex. 15/- gross

BABY SOOTHERS (rubber) in transparent bags. 9/6 doz. £5 8/- gross

TEETHING SOOTHERS (plastic). 12/- doz.

SCOTT'S D.D.T. FLY & MOTH PAPER Retail 4½d. 36/- gross

SCOTT'S D.D.T. POWDER in large sprinkler tins. 10/- doz.

SCOTT'S D.D.T. AQUEOUS HORTICULTURAL SPRAY POWDER in tins sufficient to make 5 gals. Retail 9d. 6/- doz.

SCOTT'S D.D.T. CAT AND DOG FLEA POWDER. 7½d. boxes. 5/- doz.

HAIR GRIPS. Good quality. 1/9 gross

EVENING GLORY SHAMPOOS. 36/- gross

"MISSIE" SHAMPOOS, as nationally advertised. 36/- gross

TOOTH BRUSHES, Nylon. 12/6 doz.

COMBS, 4in. and 4½ in. 46/8 gross

COMBS, 5½ in. and 6 in. 49/4 gross

COMBS, 7 in., curved design. 73/9 gross

TAIL COMBS. 56/- gross

LADIES' SIDE COMBS. 60/- gross

LOTUS LIPSTICK REFILLS, each attractively boxed. 12/- doz.

BAKELITE BEAKERS, ½-pint size, bright colours. 8/- doz.

POWDER PUFFS, lambswool. Approx. 3½ in. diam., in cellophane. 16/- doz.

POWDER PUFFS, velvet. 18/- doz.

Purchase Tax included where applicable

**SATISFACTION OR
CASH REFUNDED**

SWINNERTON'S
SHIRE OAK WAREHOUSE,
WALSALL

Telephone - - - - Brownhills 31

SHERLEY'S always make Regular Customers!

Be sure of a fair share of the big, regular demand for the Sherley's preparations please order well ahead—empty shelves can only mean disappointment. There is no treasure like a regular customer. He is the mainstay of profitable trading; a source of valuable goodwill. Adequate stocks of Sherley's Dog and Cat Medicines will keep the regulars happy and turn many a casual into a good friend.



SHERLEY'S DOG MEDICINES

SHERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON, S.E.1

IF YOU'RE OUT OF ONE RECOMMEND THE OTHER

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two kinds of Parmint and their three sizes.

All our Press advertising features both Parminths and mentions all their prices. At the moment—the 1/5 ready for use Parmint Syrup is in short supply. If you are temporarily out of stock, recommend your customers to take a 2/10 bottle or a 3/1½d. bottle of the Parmint Concentrated Essences.



and

PATA

INTERNATIONAL LABORATORIES LTD.
1-3, SMEDLEY STREET, LONDON, S.W.8

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED



Sole Proprietors:

J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

PATA

**SUPPORT THOSE WHO
SUPPORT YOU**



Per-de-Co, the established
denture adhesive with tens of
thousands of regular users, is
the **ONLY** denture adhesive
which, although publicly ad-
vertised, can be purchased
from chemists only.

CHRISTY'S

PER·DE·CO

Sole Distributors:

THOS. CHRISTY & CO. LTD · FARNHAM · SURREY

FARNHAM 57%

THE MAKERS OF **Modess**

HAVE NOW PRODUCED

*the perfect form of sanitary protection worn internally*

Meds are a product with which we are glad to associate our name. They were not rushed on to the market the moment a demand for internal sanitary protection (called tampons) was felt. Meds are the result of 5 years of research and clinical experiment and have overcome the disadvantages of other tampons. You can recommend them with complete confidence.

Women will want Meds when they hear about them and an advertising campaign prepared with tact and good taste is now appearing in the press and women's magazines. You can also help business by displaying Meds where circumstances permit.

RETAIL PRICE 1/- PER CARTON

containing 12 separately wrapped Meds.

TRADE PRICE 8/9d. PER DOZ. CARTONS in container.

MEDS mean
good business
for you.

PERSONAL PRODUCTS. Division of JOHNSON & JOHNSON. (GT. BRITAIN) LTD., WREXHAM AND SLOUGH

*More and more
women are ironing
their way to beauty
with the
ionette*

Supplies of this first class Beauty Iron are readily available to chemists and stores handling only high quality specialities.

C194 PRODUCTS LTD., 35 PARKGATE R9 S.W.11**RAW MATERIAL**

ALL GRADES FOR ALL TRADES

including Manufacturing Chemists, Foodstuffs, Mineral Water, Bakery and Confectionery, Leather, Textile, Paper, Laundry and Dry Cleaning, Cosmetics and Perfumery

HIGHEST QUALITY GUARANTEED

The Faylene Manufacturing Co15 QUEENS COURT, LOWER BRIGGATE, LEEDS
Phone - - - LEEDS 22594**HERBALEN***It's worth stocking!*

There is an ever increasing demand HERBALEN, ensured by national adverts and the recommendations of satisfied users. This laxative gently and effectively promotes natural functioning of the internal system: purifies the blood. It is equally suitable children and adults.

Retail price: 1/4d. and 2/3d. per packet

Attractive showcard on request.

LUSTY'S NATURAL PRODUCTS

WESTCLIFF-ON-SEA, ESSEX.

SODIUM ALGINATE

The production of MANUCOL* brand sodium alginate is restricted by our present plant capacity. New equipment is, however, in process of being installed to deal with the increased demand and, should there be any delay in meeting your requirements, we ask your indulgence. The Albright & Wilson Technical Service is always available to advise on problems of viscosity, suspension, stabilisation and gelling, involving the use of alginates.

* Manucol is the registered trade name of Albright & Wilson's sodium alginate.

ALBRIGHT & WILSON Chemicals for Industry LTD

49 PARK LANE, LONDON, W.1 Works: Oldbury and Widnes

43 ALG

ENOLIN PEROXIDE and MAGNESIA TOOTHPASTE

We are happy to advise the Wholesale Trade that reasonable quantities of "Enolin Peroxide and Magnesia Toothpaste" are now available. Deliveries will be effected in strict rotation. Retailers are asked to apply to their wholesalers for available stocks.

ENOLIN TOOTHPASTE Retail 1/3 per Tube

For Whiter and
Even Whiter Teeth

Enquiries to:-

ENOLIN (1926) LIMITED
68 Warbreck Moor - Liverpool - 9

4 REASONS WHY YOU SHOULD STOCK AND DISPLAY LECIFERRIN

- Leciferrin Lecithin Iron Tonic is recommended by doctors—used in hospitals for anæmic conditions.
- 60% of women are in varying degrees anæmic and therefore in need of a first class iron preparation.
- Invaluable for growing children and adults alike run down in health and in need of a nerve tonic.
- Advertised to the public. (Retail price 5/6½d. per bottle including tax.)

For up-to-date show material
write to the manufacturers:—



LECIFERRIN LIMITED,
4 John Adam St., London, W.C.2.

MISCELLANEOUS OPPORTUNITIES**SUGARINE** (Sugar Substitute Powder)

32 times sweeter than sugar. Limited supply in packets equalling 2 lbs. and 6 lbs. sugar and bulk available for export only

FRANK LESLIE (Chemists) LTD.,
25 CATFORD BROADWAY, LONDON, S.E. 6
Telephone: Hither Green 1585

Theobromine, Alkaloid B.P., Zinc Stearate, Aspirin B.P., Oleic Acid B.P., Salicylic Acid, technical and B.P., Bismuth Carbonate, Tri-ethanolamine and Monoethanolamine.

127/132 C. & D. Office.

Dr. Y. YASHER
Wholesale Druggist
Baghla, Baghdad, Iraq

Dr. Yasher thanks the various houses who have sent him offers and price lists.

He will reply [by making personal visits in the near future.

Dr. Yasher wishes to obtain agencies of reputable houses and will purchase up to £10,000 per annum.

He requires at short notice, Ampoules of Emetine and Quinine, Quinine Tals, Bismuth Calcium Tablets and Insulin and Malt Extract.

Write to :- c/o 6 Dorset Square, London, N.W.1

We are excellently placed for supplies of Genuine Aniseed, Peppermint, Eucalyptus and most natural oils for the manufacture of winter confectionery at rock-bottom prices. If you would let us know the quantities you would be interested in, bulk samples would be submitted upon hearing from you.

BOX 129/199 C. & D. Office

FOR SALE

Several million heat-sealing, moisture proof, cellophane bags, size 1½" x 2½". Write

BOX NO. 129/203 C. & D. Office

EXPORT MARKET

PERFUMES SUITABLE FOR
BAZAAR TRADE, ALSO OINTMENTS,
SHAVING CREAM, ETC.

Details and quotations on application to—

Harman Dietetic Laboratories
LIMITED

109, CRICKLEWOOD BROADWAY, N.W.1

New lines wanted by London Distributing House with view to Sole Distribution to Chemists, Lads Hairdressers and Stores. Will purchase if necessary. Large Sales force cover all of Great Britain and lines will be nationally advertised. Write

British & International Proprietaries, Ltd.
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HARRINGTONS
BRAND
ASPIRINS

EXCEPTIONAL PROFIT
EXCLUSIVE PACK
LONDON OFFICE: 2 BERRIDGE Grn. EDGWA

PLASTIC SIDE COME

available from stock for the home market
3½" long, price 32/9 per gross. Appl.

DUNBEE LTD., 10 UNION COURT
OLD BROAD STREET, E.C.

LIPSTICKS IN CARDBOARD CASES OFFERED FOR EXPORT TRADE.

LARGE SUPPLIES AVAILABLE CONTINUOUSLY
Beautifully finished. Very Competitive Prices

SHAMPOOS & RINSES ARE ALSO AVAILABLE

Write for Terms, Samples, etc., 132/320, C. & D. Office

**—MANUFACTURERS—
HAVE YOU GOODS TO SELL**

The old-established firm of Goldhill and Mendoza Ltd., of 23, St. Giles High Street, London, W.C.2, having acquired larger premises and opening additional departments will be pleased to receive offers of all classes of merchandise.

Full particulars please, to:

THE OWL WORKS,
BONNY STREET, BLACKPOOL

Phone: Blackpool 630

**BRONCHIAL TABLETS, DIGESTIVE
MINT TABLETS and IODISED
THROAT TABLETS in bulk.**

Prompt delivery. Samples and prices on application. 132/321 C. & D. Office

Containers for Lipstick Refills, etc.

Large quantity of transparent Cellulose Acetate Containers, for sale at a very low price. Size 1½" x 1" with caps. Can be trimmed down to any size required.

133/347. C. & D. Office.



The graphic features a large, tilted rectangular frame with a double-line border. Inside the frame, at the top, is a royal coat of arms with a crown. Below it, the words "IMPERIAL LEATHER" are written in a bold, serif font. Underneath that, "Toilet Soaps" is written in a large, elegant script font. At the bottom of the frame, there is a small, oval-shaped soap bar and a rectangular soap box, both featuring the Imperial Leather logo. The background of the entire advertisement is a solid black color.

IMPERIAL LEATHER Toilet Soaps

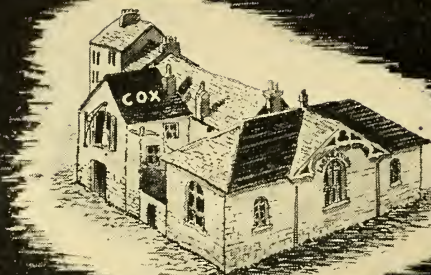
Why THE NAME ?

The increasing popularity of Imperial Leather fine toilet soaps during the past few years has aroused interest in the origin of the name. As many of our friends will know, 'Imperial Leather' is

derived from the name of the particularly attractive perfume which, allied to other rare qualities, has done so much to win for Imperial Leather Toilet Soaps their accepted place in the markets of quality.

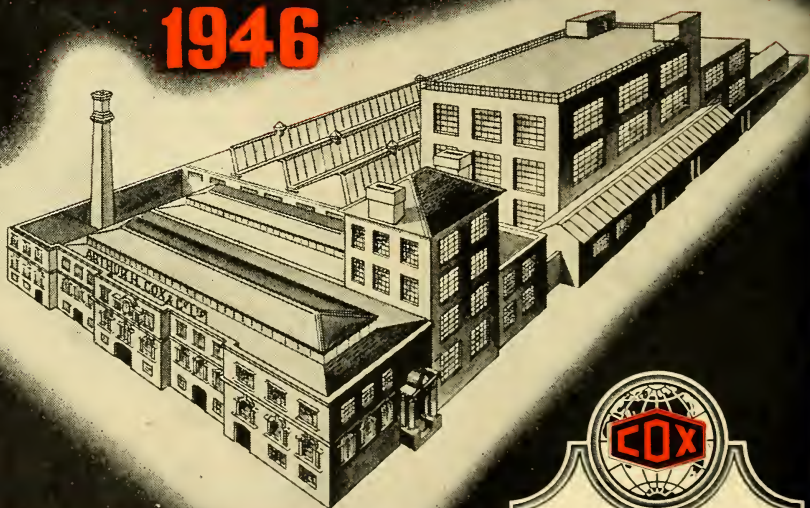
ROSSONS SONS & CO, LTD. 73 GROSVENOR ST, LONDON W.1

COX'S FACTORY IN 1839



IT WAS IN 1854
THAT MR. ARTHUR HAWKER COX
OBTAINED LETTER PATENT
FOR HIS METHOD OF
PEARL-COATING

THE EXTENSIVE COX LABORATORIES TO-DAY - 1946



ARTHUR H. COX & Co. Ltd.
Manufacturing Chemists **BRIGHTON**

SPECIALISTS IN PILLS & TABLETS



AN
ORGANISATION
THAT OFFERS
THE BENEFIT OF
WIDE EXPERIENCE
AND
LARGE SCALE
PRODUCTION
FACILITIES

